

ROBERT A. HARPER CATALOGUE
REPRINT COLLECTION

OF THE

PHÆNOGAMOUS

AND

VASCULAR CRYPTOGRAMOUS PLANTS

OF

MISSOURI.

BY S. M. TRACY,

Professor of Botany, Missouri State University,

COLUMBIA, MO.

JEFFERSON CITY:

TRIBUNE PRINTING COMPANY, STATE PRINTERS AND BINDERS.
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FLORA OF MISSOURI.

BY S. M. TRACY.

State University, Columbia, Mo.

The following catalogue is, I believe, the first publication of any list of the plants of the State, excepting a "Partial Catalogue of the Plants of Illinois and Missouri," published by Mr. Geyer about 1842 which has long been out of print. The present catalogue was commenced more than five years ago, but the press of other important work has prevented its earlier publication. Even now there are doubtless many species which are not included as there are some sections of the State which I have been unable to visit, and from which I have found it impossible to obtain lists. The counties along the central part of the Southern boundary, and the extreme Northern and Northeastern portions of the State have not yet been carefully studied.

The sources from which this catalogue has been made are; the herbarium of the State University which includes valuable collections made by the State Geological Survey, Prof. Swallow, Dr. Pech of Louisiana, Mr. Geyer and Dr. Engelmann of St. Louis and others; the "Flora of Jackson County" and extensive notes from Frank Bush of Independence; notes and specimens from Prof. G. C. Broadhead of Pleasant Hill, Geo. W. Letterman of Allenton; Mrs. McCluney of Sedalia, and many others. I am indebted to Prof. Trelease of Washington University for access to the Riehl collection of Missouri plants, and to Mr. B. T. Galloway of Columbia, who has done the entire work of preparing the list of grasses, and has furnished notes upon many other plants. Free use has been made of the various published works of Dr. Gray, and the government reports of King and Wheeler. During the past twelve years I have visited many parts of the State, and have preserved a careful record of plants observed in the different localities. Nearly every plant named in the catalogue has been carefully examined by myself, and doubtful specimens have been referred to Dr. Gray, Vasey or other recognized authorities for verification. I have

endeavored to make the list accurate and have not included species of whose presence here I was not fully satisfied.

The arrangement of the catalogue is made to conform to that of Bentham and Hooker, and the nomenclature to that of "Gray's Flora of North America," and "Gray's Manual" fifth edition. In giving localities I have, in most cases given the names of the counties where found, followed by the names of the person who collected the specimen now in the University herbarium, or reporting its presence. The catalogue contains the names of 123 orders with 1786 species and varieties.

From the present incomplete list it will readily be seen that the State has four well defined botanical regions. First, river bottom lands extending along the entire length of the State on the East and through its central portion along the Missouri river, and its larger tributaries. Second, the swamp region of the Southeast. Third, the Ozark region, including the hilly and broken country which covers a large portion of the State South of the Missouri river. Fourth, the prairie region which includes a large portion of the State North of the Missouri river, together with the Northwestern portion of the part of the State South of the Missouri river. In the extreme Northwest, the flora assumes a character much resembling that which is typical of the Western plains. The constantly changing character of the flora of a newly settled country, makes it practically impossible to make a list which is complete in all its details, as new plants are yearly introduced, or are found in new localities driving out the earlier forms and producing constant changes. When the State was organized our hills and prairies produced an abundant growth of buffalo grass which soon gave place to the blue joint which is, in turn being driven out by the more valuable blue-grass. With cultivation came purslane, dandelion, lambs-quarter and hosts of other troublesome weeds from the East, and within the last ten years the prickly solanum has immigrated from the far West and now seems perfectly at home in the streets of St. Louis.

It is earnestly desired that the catalogue be made as complete as possible, and to this end botanists and all others are requested to send notes and specimens of plants not named in the present catalogue, or from new localities. All such specimens will be placed in the University herbarium, and duly acknowledged in future editions of the catalogue.

DECEMBER 31, 1885.

CATALOGUE.

RANUNCULACEÆ.

Crowfoot Family.

1. **Clematis** Fremonti, Watson. Virgin's Bower.
Franklin, Jefferson, Washington, (Letterman), St. Louis,
(Eggert).
2. Pitcheri, Torr & Gray.
Bates and Jackson, (Bush), Boone, (Tracy), Harrison and
Livingston, (Broadhead), Iron, (Galloway).
3. Viorna, L. Leather Flower.
Cass and Greene, (Broadhead), Greene, (Shepard).
4. Virginiana, L.
Boone, (Tracy), Cole and Eastward, (Broadhead), Missis-
sippi, (Galloway), Pike, (Pech).
5. **Thalictrum** anemonoides, Michx. Meadow Rue.
Boone, (Tracy), Greene, (Shepard), St. Louis, (Geyer and
Kellogg).
6. Cornuti, L. Tall Meadow Rue.
Boone, (Galloway.) Cass, (Engelmann.) Lincoln and Linn,
(Broadhead), Pike, (Pech), St. Louis, (Murtfeldt).
7. dioicum, L. Early Meadow Rue.
Iron, (Broadhead).
8. purpurascens, L. Purple Meadow Rue.
Greene, (Shepard), Jackson, (Bush), Miller, (Winick),
Pike, (Pech).
9. **Anemone** acutiloba, DC. Wind Flower.
Jefferson and St. Louis, (Letterman,) Stone, (Shepard).
10. cylindrica, Gray. Long-fruited Anemone.
Greene, (Shepard), Mercer, (Broadhead).
11. decapetala, L. Carolina Anemone.
Bates, Cass and Vernon and in Western Mo. only, (Broad-
head), Greene, (Shepard), Rare in Jackson, (Bush).

- | | | |
|-----|--|--------------------------|
| 12. | dichotoma, L. | |
| | Jackson, (Bush), St. Louis, (Murtfeldt). | |
| 13. | Hepatica, L. | Liver-leaf. |
| | Pike, (Pech), St. Louis, (Kellogg and Murtfeldt), Central and Eastern Missouri, (Broadhead). | |
| 14. | nemorosa, L. | Wind Flower, |
| | Boone, (Tracy), Howard and Knox, (Broadhead), St. Louis, (Murtfeldt). | |
| 15. | parviflora, Michx. | Small-flowered Anemone. |
| | Knox and along Mo. river, (Broadhead). | |
| 16. | patens, L., var. Nuttalliana, Gray. | Pasque Flower. |
| | St. Louis, (Murtfeldt). | |
| 17. | Virginiana, L. | Virginian Anemone. |
| | Boone, (Galloway), Cole, (Broadhead), Jackson, (Bush), Pike, (Pech) St. Louis, (Reihl). | |
| 18. | Pennsylvanica, L. | Pennsylvanian Anemone. |
| | Boone, (Tracy), Warren, (Broadhead). | |
| 19. | Myosurus minimus, L. | Mouse-tail. |
| | Jackson, (Bush), Miller, (Winick), Pike, (Pech), St. Louis, (Murtfeldt). | |
| 20. | Ranunculus abortivus, L. | Small-flowered Crowfoot. |
| | Common. | |
| 21. | var. micranthus, Gray. | |
| | Boone, (Galloway), Benton, (Swallow), Jackson, (Bush), Miller, (Winick) St. Louis, (Geyer). | |
| 22. | acris, L., | Buttercup. |
| | Chariton, (Swallow). | |
| 23. | aquatis, L., var. tricophyllus, Chaix. | Water Crowfoot. |
| | Adair, Jasper, St. Charles and Western Mo., (Broadhead), Pike, (Pech). | |
| 24. | var. stagnatilis, DC. | |
| | Little Blue river, Jackson, (Bush). | |
| 25. | fascicularis, Muhl. | Early Crowfoot. |
| | Jackson, (Bush), Pike, (Pech), St. Louis, (Geyer). | |
| 26. | multifidus, Pursh. | Yellow Water Crowfoot. |
| | Jackson, (Bush), Pike, (Pech). | |
| 27. | muricatus, L., | |
| | Miller, (Winick). | |
| 28. | Pennsylvanicus, L. | Bristly Crowfoot |
| | St. Louis, (Murtfeldt). | |

45. **Liriodendron** Tulipifera, L. Tulip Tree.
Butler and Southeast Mo. (Letterman), Mississippi, (Gal-
loway.) Not found north of Madison, (Broadhead).

ANONACEÆ.

Custard Apple Family.

46. **Asimina** triloba, Dunal. Papaw.
Common everywhere.

MENISPERMACEÆ.

Moonseed Family.

47. **Calycocarpum** Lyoni, Nutt. Cupseed.
St. Louis. (Shepard).
48. **Cocculus** Carolinus, DC.
Barton, Cole, Vernon, (Broadhead).
49. **Menispermum** Canadense, L. Moonseed.
Common everywhere.

BERBERIDACEÆ.

Barberry Family.

50. **Caulophyllum** thalictroides, Michx. Blue Cohosh.
Green, (Shepard), Jefferson along the Meramec, (Letterman),
Pike, (Pech).
51. **Podophyllum** peltatum, L. May Apple.
Common everywhere.

NYMPHÆACEÆ.

Water-Lily Family.

52. **Brasenia** peltata, Pursh. Water-Shield.
Barton, (Broadhead), Perry, (Demetrio), Putnam, (Swallow).
53. **Nuphar** advena, Ait. Yellow Pond-Lily.
Barton, Iron and Western Mo. (Broadhead), Boone, (Tracy),
Green, (Bush).
54. **Nymphaea** odorata, Ait. White Pond-Lily.
Barton, (Broadhead), Buchanan and Mississippi, (Gal-
loway), Pike, (Pech).
55. *tuberosa*, Paine.
St. Louis, (Murtfeldt).

56. **Nelumbium** luteum, Willd. Chinquepin.
Boone, St. Louis. (Tracy), Buchanan and Cass, (Broadhead),
Pike, (Pech), Jackson, (Bush), Pettis, (McCluney).

PAPAVERACEÆ.

Poppy Family.

57. **Papaver** somniferum, L. Common Poppy.
Spontaneous about gardens.
58. **Argemone** Mexicana, L. Prickly Poppy.
Boone, (Galloway), Jackson, (Bush), Knox and Ralls,
(Broadhead), Pike, (Pech).
59. var. albiflora, D. C.
Jackson, (Bush).
60. **Stylophorum** diphyllum, Nutt. Celandine Poppy.
Jefferson and St. Louis, (Letterman), St. Charles, (Broadhead.)
61. **Sanguinaria** Canadensis, L. Bloodroot.
Common everywhere.

FUMARIACEÆ.

Fumitory Family.

62. **Dicentra** cucullaria, DC. Dutchman's Breeches.
Common everywhere.
63. Canadensis, DC. Squirrel Corn.
Boone, (Tracy).
64. **Corydalis** aurea, Willd. Golden Corydalis.
Boone, (Galloway), Cass, (Broadhead), Pike, (Pech), St.
Louis, (Riehl).
65. var. occidentalis, Englm.
Miller, (Winick).
66. var. micrantha, Englm.
St. Louis. (Engelmann).
67. crystallina, Englm.
Cass, Livingston, Vernon, (Broadhead).
68. flavula, Raf.
Boone, (Tracy), Jackson, (Bush).

CRUCIFERÆ.

Mustard Family.

69. **Nasturtium** Armoracia, Fries. Horseradish.
Common in old gardens.

70. lacustre, Gray. Lake Cress.
Greene, (Shepard), Pike, (Pech).
71. limosum, Nutt.
Jackson, (Bush).
72. obtusum, Nutt.
Jackson, (Bush), St. Louis, (Murtfeldt).
73. officinale, R. Br. True Water Cress.
Adventive at Kansas City, (Bush).
74. palustre, DC. Marsh Cress.
Greene, (Shepard), Jackson, (Bush), Pike, (Pech), St.
Louis, (Riehl).
75. var. hispidum, F. & M.
Jackson, rare. (Bush).
76. sessiliflorum, Nutt.
Jackson, (Bush).
77. sinuatum, Nutt.
Along rivers in woods. Jackson, (Bush), St. Louis,
(Murtfeldt).
78. sylvestre, R. Br. Yellow Cress.
Pike, (Pech).
79. **Barbarea** vulgaris, R. Br. Winter Cress.
Pike, (Pech.)
80. **Arabis** Canadensis L. Sickie Pod.
Common.
81. dentata, Torr. & Gray.
Jackson, (Bush).
82. hesperidoides, Gray.
Jackson, (Bush). Pike, (Pech).
83. hirsuta, Scop.
Boone, (Tracy), Pike, (Pech).
84. lævigata, DC.
Boone, (Tracy).
85. Ludoviciana, Meyer.
St. Louis, (Riehl & Murtfeldt).
86. lyrata, L.
Jefferson, (Letterman.)
87. patens, Sulliv.
Greene, (Shepard).
88. **Cardamine** hirsuta, L. Small Bitter Cress.
Boone, (Tracy), Cass, (Broadhead), Jackson, (Bush), Pike,
(Pech), St. Louis (Geyer).
89. —var. sylvatica, Gray.
Jackson, (Bush).

90. *rhomboidea*, DC. Spring Cress.
Boone, (Tracy), Cass and Polk, (Broadhead), Pike,
(Pech), St. Louis, (Riehl).
91. *rotundifolia*, Michx. Mountain Water Cress.
Greene, (Shepard).
92. **Dentaria** *laciniata*, Muhl. Pepperwort.
Common.
93. *multifida*, Muhl.
Knox, (Broadhead)
94. **Leavenworthia** *aurea*, Torr.
"Missouri," (F. L. Harvey.)
95. *Michauxii*, Torr.
St. Louis and Franklin (Letterman).
96. **Silene** *aurea*, Nutt.
Greene, (Shepard).
97. **Vesicaria** *Shortii*, Torr. & Gray. Bladderpod.
Greene, (Broadhead).
98. **Draba** *brachycarpa*, Nutt.
Jackson, (Bush), St. Louis, (Geyer).
99. *Caroliniana*, Walt.
Boone, (Tracy), Cass, (Broadhead), Clay, (Bush), St.
Louis, (Geyer & Letterman).
100. *var. micrantha*, Gray.
Jackson, (Bush), St. Louis, (Murtfeldt).
101. *cuneifolia*, Nutt.
Boone, (Tracy), Greene, (Shepard), St. Louis, (Letter-
man).
102. *nemorosa*, L.
Lewis, (Egeling).
103. *verna*, L. Whitlow Grass.
Boone, (Galloway).
04. **Hesperis** *matronalis*, L.
Nat. in Boone (Tracy).
105. **Sisymbrium** *canescens*, Nutt. Tansy Mustard.
Benton, (Swallow), Jackson, (Bush), Pike, (Pech), St. Louis,
(Geyer & Murtfeldt).
106. *officinale*. Scop. Hedge Mustard.
Common.
107. *Thaliana*, Gaud. Mouse-ear Cress.
Boone, (Tracy).
108. **Erysimum** *asperum*, DC. Western Wall-flower.
(Torrey and Gray.)

109. var. *Arkansanum*, Nutt.
Franklin, Jefferson, St. Louis. (Letterman).
110. *cheiranthoides*, L. Wormseed Mustard.
(Torrey and Gray.)
111. **Thelypodium** *pinnatifidum*, Watson.
Jackson, (Bush).
112. **Camelina** *sativa*, Crantz. False Flax.
Cass, (Broadhead).
113. **Brassica** *alba*, Gray. White Mustard.
Boone, (Tracy), Jackson, (Bush), St. Louis, (Murtfeldt).
114. *Campestris*, L. Charlock.
Jackson, *in old fields*, (Bush).
115. *nigra*, Gray. Black Mustard.
Common everywhere.
116. *rapa*, L.
Jackson, *in old fields*, (Bush).
117. **Capsella** *Bursa-pastoris*, Mönch. Shepherd's Purse.
Common everywhere.
118. **Lepidium** *intermedium*, Gray.
Jackson, (Bush).
119. *ruderales*, L.
Jackson, (Bush), Miller, (Winick), St. Louis, (Torrey and Gray).
120. *Virginicum*. Wild Pepper-grass.
Boone, (Tracy), Cass, (Broadhead), Jackson, (Bush),
Pike, (Pech), St. Louis, (Geyer).
121. **Thlaspi** *arvense*, L. Pennycress.
Jackson, (Bush).
122. **Raphanus** *Raphanistrum*, L. Wild Radish.
Polk, (Broadhead):

CAPPARIDACEÆ.

Caper Family.

123. **Cleome** *integrifolia*, Torrey and Gray.
Clay, (Broadhead), Jackson, (Bush).
124. *pungens*, Willd.
Pettis. (McCluny,)
125. **Polanisia** *graveolens*, Raf.
Jackson, (Bush), St. Louis, (Murtfeldt).

CISTACEÆ,

Rock-Rose Family.

126. **Helianthemum** Canadense, Michx. Frost-weed.
Cass, (Broadhead), Greene, (Shepard), Pike, (Pech).
127. **Lechea** major, Michx. Pin-weed.
Greene, (Shepard).
128. minor, Lam.
Greene, (Shepard), Pike, (Pech), St. Louis, (Riehl),
Southwest Missouri, (Broadhead).
129. tenuifolia, Mx.
Greene, (Shepard).
130. thymifolia, Pursh.
Pike, (Pech).

VIOLACEÆ.

Violet Family.

131. **Viola** blanda, Willd. White Violet.
Boone, (Tracy).
132. Canadensis, L.
Pike, (Pech).
133. canina, L. var. sylvestris, Reg. Early Blue Violet.
Greene and Knox, (Broadhead), Pike, (Pech).
134. cucullata, Ait. Blue Violet.
Common everywhere.
135. var. cordata, Gray.
Boone, (Tracy) Pike, (Pech), St. Louis, (Geyer).
136. var. palmata, Gray.
Common everywhere.
137. delphinifolia, Nutt.
Common everywhere.
138. hastata, Michx.
Pike, (Pech), Boone, (Galloway).
139. lanceolata, L.
Livingston, (Broadhead).
140. pedata, L. Bird's-foot Violet.
Common everywhere.
141. var. bicolor.
Boone, (Tracy), Greene, (Shepard), St. Charles,
(Broadhead), St. Louis, (Murtfeldt).

142. *primulæfolia*, L.
Jackson, (Bush), St. Louis, (Tracy).
143. *pubescens*, Ait.
Common everywhere.
144. *rostrata*, Pursh. ¶
Miller, (Winick).
145. *rotundifolia*, Michx. Round-Leaved Violet.
Boone, (Tracy).
146. *sagittata*, Ait. Arrow-leaved Violet.
Common everywhere.
147. *striata*, Ait.
Common everywhere.
148. *tricolor*, L.
Cass, (Broadhead), Pike (Pech), *escaped*.
149. var. *arvensis*.
Boone, (Tracy), Jackson, (Bush), St. Louis, (Murtfeldt).
150. **Ionidium** *concolor*, Benth. & Hook. Green Violet.
Common in rich woods.

POLYGALACEÆ.

. *Milkwort Family.*

151. **Polygala** *ambigua*, Nutt. Milkwort.
Jackson, *not common*, (Bush).
152. *incarnata*, L.
Cass, (Broadhead), Greene, (Shepard), Jackson, (Bush),
Pettis, (McCluny.)
153. *Nuttallii*, Torr. & Gray.
S. W. Missouri, (Broadhead).
154. *sanguinea*, L.
Greene, (Bush & Shepard).
155. *Senega*, L. Seneca Snake Root.
Boone, (Tracy), Greene, (Shepard).
156. *verticillata*, L.
Boone, (Galloway), Greene, (Shepard), Jackson (Bush),
Pike, (Pech), St. Louis, (Riehl).

CARYOPHYLLACEÆ.

Pink Family.

157. **Saponaria** *officinalis*, L. Bouncing Bet.
Common about old gardens.

158. **Silene** *antirrhina*, L. Sleepy Catchfly.
Jackson, (Bush), Miller, (Winick), Pike, (Pech), St. Louis,
(Riehl).
159. *noctiflora*, L. Night-flowering Catchfly.
St. Louis, (Murtfeldt).
160. *regia*, Sims. Royal Catchfly.
Common in Southern Missouri.
161. *stellata*. Ait. Starry Campion.
Common everywhere.
162. *Virginica*, L. Fire Pink.
Butler, (Letterman), Iron, (Broadhead), St. Louis,
(Riehl).
163. **Lychnis** *Githago*, Lam. Corn Cockle.
Common in wheat fields.
164. **Cerastium** *arvense*, L. Field Chickweed.
Miller, (Winick).
165. *nutans*, Raf. Common everywhere.
166. *oblongifolium*, Torr.
Boone, (Tracy).
167. *viscosum*, L. Large Chickweed.
Boone, (Tracy), Jackson, (Bush), Pike, (Pech), St.
Louis, (Murtfeldt).
168. *vulgatum*, L. Mouse-ear Chickweed.
Pike, (Pech).
169. **Stellaria** *media*, Smith. Common Chickweed.
Boone, (Tracy), St. Louis, (Murtfeldt).
170. *longifolia*, Muhl. Long-leaved Stitchwort.
St. Louis, (Riehl).
- 170½. *borealis*, Big. Northern Starwort.
Boone, (Galloway).
171. **Arenaria** *lateriflora*, L. Sandwort.
Jackson, (Mann).
172. *Michauxii*, Hook.
Livingston, (Broadhead).
173. *patula*, Michx. Jackson, (Bush), Washington, (Riehl).
174. *Pitcheri*, Nutt. Common everywhere.
175. *squarrosa*, Michx. Pine-barren Sandwort.
Jefferson, (Letterman).

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| 176. | <i>stricta</i> , Michx. | |
| | Greene, (Broadhead). | |
| 177. | Sagina <i>procumbens</i> , L. | Pearlwort. |
| | St. Louis, (Riehl.) | |
| 178. | Spergula <i>arvensis</i> , L. | Corn Spurrey. |
| | Boone, (Tracy.) | |

PARONYCHIEÆ.

- | | | |
|------|------------------------------------|-------------------|
| 179. | Paronychia dichotoma, Nutt. | Whitlow-wort. |
| | Osage, (Broadhead.) | |
| 180. | Anychia dichotoma, Michx. | Forked Chickweed. |
| | Common. | |
| 181. | var, capillacea, Torr. | |
| | Jackson, (Bush & Mann.) | |

PORTULACACEÆ.

Purslane Family.

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|------|--|----------------|
| 182. | Portulaca <i>oleracea</i> , L. | Purslane. |
| | Common in gardens. | |
| 183. | Talinum <i>teretifolium</i> , Pursh. | |
| | Common south of Mo. River. | |
| 184. | Claytonia <i>Caroliniana</i> , Michx. | |
| | Boone, (Tracy,) Greene, (Shepard.) | |
| 185. | <i>Virginica</i> , L. | Spring Beauty. |
| | Common everywhere. | |

ELANTINACEÆ.

Waterwort Family.

186. **Elatine** Americana, Arnott. Waterwort.
(Watson, in King's Fifth Report.)

HYPERICACEÆ.

St. John'swort Family.

187. **Ascyrum** Crux-Andreas, L. St. Andrew's Cross.
Greene, (Shepard).
188. **Hypericum** adpressum, Barton. St. John's-wort.
Jackson & Henry, (Bush). St. Louis, (Kellogg).

189. angulosum, Michx.
 Mississippi, (Galloway).
190. aureum, Bartram.
 Pike, (Pech).
191. Canadense, L.
 Greene, (Shepard).
192. corymbosum, Muhl.
Boone, (Tracy), Jackson, (Bush), Miller, (Winick), Pettis,
 (McCluney), St. Louis, (Murtfeldt).
193. Drummondii, Torr & Gr.
Greene, (Bush), St. Louis, (Riehl), S. W. Mo., (Broadhead).
194. ellipticum, Hook.
 Pike, (Pech).
195. graveolens, Buckl.
 Pike, (Broadhead).
196. mutilum, L.
Greene, (Shepard), Jackson. (Bush), Pike, (Pech).
197. nudiflorum, Michx.
 Greene, (Shepard).
198. prolificum, L. Shrubby St. John's-wort.
 Common.
199. pyramidatum, Ait. Great St. John's-wort.
 Jackson—rare, (Bush).
200. Sarcotra, Michx. Pine-weed.
Greene, (Shepard), Iron & St. Louis, (Letterman).
201. sphærocarpon, Michx.
Barton, Cass & Pike, (Broadhead), Boone, (Galloway).

MALVACEÆ.

Mallow Family.

202. **Malva** *crispa*, Gray. Curled Mallow.
 Jackson—escaped—(Bush).
203. *rotundifolia*, L. Common Mallow.
 Common everywhere.
204. *sylvestris*, L. High Mallow.
Jackson, (Bush), Miller, (Winick), St. Louis, (Murtfeldt).
205. **Callirrhoe** *digitata*, Nutt.
Greene, (Letterman), Jasper & Lawrence, (Broadhead).
206. *involucrata*, Gray.
 Jasper, (Letterman).
207. *triangulata*, Gray.
 Mississippi, (Galloway).

208. **Malvastrum** angustum, Gray. False Mallow.
Cass, (Broadhead), Jackson, (Bush), Pike, (Pech), St. Louis,
(Letterman).
209. **Sida** hispida. Common everywhere.
Cass, (Broadhead).
210. *spinosa*, L. Common everywhere.
211. **Abutilon** *Avicennæ*, Gærtn. Velvet Leaf,
Common everywhere.
212. **Hibiscus** grandiflorus, Michx. Rose Mallow.
St. Louis, (Letterman).
213. *militaris*, Cav. Halberd Leaved Mallow.
Cass, (Broadhead), Jackson, (Bush), Pettis, (McCluney),
Pike; (Pech), Mississippi, (Galloway).
214. *Moscheutos*, L. Swamp Rose Mallow.
Barton, (Broadhead), Mississippi, (Galloway).
215. *Syriacus*, L. Shrubby Althea.
Cass, (Broadhead), Pettis, (McCluney).
216. *Trionum*, L. Bladder Ketmia.
Common everywhere.

TILIACEÆ.

Linden Family.

217. **Tilia** Americana, L. Basswood.
Common everywhere.

LINACEÆ.

Flax Family.

218. **Linum** Bootii, Englm. Common everywhere.
Cass, (Broadhead).
219. *perenne*, L. (Watson, in King's Fifth Report).
220. *rigidum*, Pursh. "Missouri," (Mrs. Lincoln's Botany).
221. *striatum*, Walt. Pike, (Broadhead).
222. *sulcatum*, Riddell. Jackson, (Bush), Maries, (Broadhead).
223. *usitatissimum*, L. Common Flax.
Occasionally escaped.

224. *Virginianum*, L.
Common.

GERANIACÆ.

Geranium Family.

225. **Geranium** *Carolinianum*, L. Carolina Cranesbill.
Common.
226. *dissectum*, L. Cut-leaved Cranesbill.
Pike (Pech).
227. *maculatum*, L. Wild Cranesbill.
Common.
228. *Robertianum*, L. Herb Robert.
Greene (Shepard).
229. **Floerkea** *proserpinacoides*, Willd. False Mermaid.
St. Charles (Egeling).
230. **Oxalis** *corniculata*, L. Yellow Wood Sorrel.
Pike (Pech).
231. *var. stricta*, L. Common.
232. *violacea*, L. Violet Wood Sorrel.
Common.
233. **Impatiens** *fulva*, Nutt. Spotted Touch-me-not.
Common.
234. *pallida*, Nutt. Pale Touch-me-not.
Common.

RUTACEÆ.

Rue Family.

235. **Zanthoxylum** *Americanum*, Mill. Prickly Ash.
Common.
236. **Ptelea** *trifoliata*, L. Hop Tree.
Common, except in N. W., (Broadhead).

SIMARUBEÆ.

237. **Ailanthus** *glandulosus*, Desf. Tree of Heaven.
Boone and St. Louis, (Tracy), Jackson, (Bush).

AQUIFOLIACEÆ.

Holly Family.

238. **Ilex** *decidua*, Walt.
Common in Southern Mo.
239. *lævigata*, Gray. Smooth Winterberry.
(Swallow).
240. *opaca*, Ait. American Holly.
Butler, (Letterman), Mississippi, (Galloway).
241. *verticillata*, Gray. Black Alder.
Boone, (Swallow), Iron, (Letterman), Mississippi, (Galloway),
Pike, (Pech).

CELASTRACEÆ.

Staff-Tree Family.

242. **Euonymus** *Americanus*, L. Strawberry Bush.
Boone, (Tracy), Eastern Missouri, (Broadhead), Mississippi
and New Madrid, (Galloway).
343. *atropurpureus*, Jacq. Waahoo.
Common everywhere.
244. **Celastrus** *scandens*, L. Climbing Bitter-sweet.
Common everywhere.

RHAMNACEÆ.

Buckthorn Family.

245. **Berchemia** *volubilis* DC. Supple-jack.
Butler, (Letterman), Stone, (Broadhead).
246. **Rhamnus** *Caroliniana*, Walter. Buckthorn.
Iron & St. Louis, (Letterman), Common S. E., (Broadhead).
247. *lanceolatus*, Pursh.
Boone, (Galloway), Jackson, (Bush), St. Louis, (Letterman)
Western Missouri, (Broadhead).
248. **Ceanothus** *Americanus*, L. New Jersey Tea.
Common everywhere.
249. *ovalis*, Bigel.
Northern and Western Missouri, (Broadhead).

VITACEÆ.

Grape Family.

250. **Vitis** æstivalis, Michx. Summer Grape.
Rare West, common elsewhere.
251. bipinnata, Torr. & Gray.
Common Southeast.
252. cinerea, Engelm. Ashy Grape.
Common on river bottoms.
253. cordifolia, Michx. Frost Grape.
Common.
254. indivisa, Wild.
Common Southward.
255. palmata, Vahl.
Banks of Mississippi above St. Louis, (Eggert.)
256. riparia, Michx. Frost Grape.
Common everywhere.
257. rupestris, Scheele. Sand Grape.
Banks of the Missouri river Southward.
258. vulpina, L. Muscadine.
Montgomery, Maries and Southward, (Broadhead).
259. **Ampelopsis** quinquefolia, Michx. Virginia Creeper.
Common everywhere.

SAPINDACEÆ.

Soapberry Family.

260. **Æsculus** flava, Ait. Sweet Buckeye.
Common.
261. glabra, Willd. Ohio Buckeye.
Common, excepting Westward.
262. Pavia, L. Red Buckeye.
S. E. Missouri, (Letterman).
263. **Acer** dasycarpum, Ehrh. Soft Maple.
Common in low grounds.
264. Pennsylvanicum, L. Striped Maple.
Iron, (Galloway).
265. rubrum, L. Red Maple.
Callaway to S. E. Missouri.

266. *saccharinum*, Wang. Sugar Maple.
 Common elsewhere but not found west of Nodaway river.
267. *var. nigrum*, Gray. Black Maple.
 Boone, (Tracy), Jackson, (Bush),
268. **Negundo** *aceroides*, Mœnch, Box Elder.
 Common everywhere.
269. **Staphylea** *trifolia*, L. Bladder-Nut.
 Common.

ANACARDIACEÆ.

Cashew Family.

270. **Rhus** *aromatica*, Ait. Fragrant Sumach.
 Common everywhere except extreme Northwest.
271. *copallina*, L. Dwarf Sumach.
 Common everywhere.
272. *cotinoides*, Nutt.
 Mississippi, (Galloway), St. Louis, (Broadhead).
273. *glabra*, L. Smooth Sumach,
 Common.
274. *Toxicodendron*, L. Poison Sumach.
 Common.
275. *var. radicans*, Torr.
 Jackson, (Bush), Miller, (Winick).
276. *typhina*, L. Staghorn Sumach.
 Common.
277. *venenata*, DC. Poison Dogwood.
 Greene, (Shepard).

LEGUMINOSÆ.

Pulse Family.

278. **Baptisia** *alba*, R. Br. False Indigo.
 Miller, (Winick), Sullivan, (Broadhead).
279. *australis*, R. Br. Blue False Indigo.
 Benton, (Swallow), Greene, (Bush).
280. *leucantha*, Torr. & Gray.
 Common.
281. *leucophæa*, Nutt.
 Common.
282. *tinctoria*, R. Br. Wild Indigo.
 Lewis, (Egeling).

283. **Crotalaria** sagittalis, L. Rattlebox.
Franklin & St. Louis, (Letterman), Jackson, (Bush), Pike,
(Pech), common in S. W. Mo. (Broadhead).
284. **Lupinus** perennis, L. Wild Lupine.
Mississippi, (Galloway), St. Louis, (Murtfeldt).
285. **Medicago** sativa, L. Lucerne.
Spontaneous about old gardens.
286. *lupulina*, L.
Pettis, (McCluney).
287. **Melilotus** alba, Lam. White Melilot.
Common about old gardens.
288. *officinalis*, Willd. Yellow Melilot.
Jackson, (Bush).
289. **Trifolium** arvense, L. Rabbit-foot Clover.
Mississippi, (Galloway).
290. *pratense*, L. Red Clover.
Common everywhere.
291. *procumbens*, L. Hop Clover.
Boone, (Galloway).
292. *reflexum*, L. Buffalo Clover
Boone, (Tracy), Greene, (Shepard), Pike, (Pech), St.
Louis, (Letterman).
293. *repens*, L. White Clover.
Common everywhere.
294. *stoloniferum*, Muhl. Running Buffalo Clover.
Common everywhere.
295. **Psoralea** canescens, Michx.
Pike, (Pech).
296. *esculenta*, Pursh.
Bates & Cass, *rare*—(Broadhead), Miller, (Winick),
St. Louis, (Letterman).
297. *melilotoides*, Michx.
Bates, (Broadhead), Miller, (Winick), St. Louis, (Let-
man).
298. *Onobrychis*, Nutt.
Pike, (Pech), St. Louis, (Letterman).
299. *tenuiflora*, Pursh.
Common.
300. **Amorpha** canescens, Nutt. Lead Plant.
Common everywhere.
301. *fruticosa*, L. False Indigo.
Common everywhere.

302. **Dalea alopecuroides**, Willd.
Cass, (Broadhead), Jackson, (Bush), St. Louis, along
R. R., (Letterman).
303. **aurea**, Nutt.
On White River, (Nuttall).
304. **Petalostemon candidus**, Michx. Prairie Clover.
Common everywhere.
305. **villosus**, Nutt.
Mississippi, (Broadhead).
306. **violaceus**, Michx.
Common everywhere.
307. **Tephrosia Virginiana**, Pers. Goat's Rue.
Common everywhere.
308. **Wistaria frutescens**, DC. Wistaria.
Mississippi, (Swallow), Ray, (Broadhead).
309. **Robinia Pseudacacia**, L. Black Locust.
Common everywhere.
310. **Astragalus Canadensis**, L. Vetch.
Common everywhere.
311. **caryocarpus**, Ker. Ground Plum.
Boone, (Tracy), common in Western Missouri, (Broad-
head).
312. **distortus**, Torr. & Gray.
Franklin, (Letterman), Greene, (Shepard), Pettis,
(McCluney), West. Mo., (Broadhead).
313. **gracilis**, Nutt.
(Watson, in King's Fifth Report).
314. **Mexicanus**, A. DC.
Common everywhere.
315. **microlobus**, Gray.
(Watson, in King's Fifth Report)
316. **Plattensis**, Nutt.
Greene, (Shepard).
317. **racemosus**, Pursh.
On White River, (Nuttall).
318. **Oxytropis Lamberti**, Pursh. Loco.
Atchison (Broadhead).
319. **Glycyrrhiza lepidota**, Nutt. Wild Licorice.
Platte & Vernon, (Bush), St. Louis, (Letterman).
320. **Stylosanthes elatior**, Swartz. Pencil Flower.
Common.

321. **Desmodium** acuminatum, DC. Tick-trefoil.
Common.
322. Canadense, DC.
Jackson, (Bush).
323. canescens, DC.
Boone, (Galloway), Jackson, (Bush), St. Louis, (Murtfeldt).
324. var villosissimum, T & G.
Cass, (Broadhead), Pike, (Pech), St. Louis, (Drummond).
325. ciliare, DC.
Greene, (Shepard).
326. cuspidatum, T. & Gray.
Jackson, (Bush), Pike, (Pech).
327. Dillenii, Darl.
Jackson, (Bush), Pike, (Pech).
328. Illinoense, DC.
Jackson, (Bush & Mann).
329. lævigatum.
Pettis, (McCluney).
330. Marilandicum, Boott.
Jackson, (Bush), Pike, (Pech).
331. nudiflorum, DC.
Greene, (Shepard), Jackson, (Bush), Pike, (Pech).
332. paniculatum, DC.
Cass, (Broadhead), Jackson, (Bush), Pike, (Pech).
333. pauciflorum, DC.
Greene, (Shepard), Jackson, (Bush), Pike, (Pech).
334. rigidum, DC.
Jackson, (Bush), Pettis, (McCluney), Pike, (Pech).
335. rotundifolium, DC.
Greene & Wright, (Bush).
336. sessilifolium, Torr. & Gr.
Cass, (Broadhead), Jackson, (Bush), Pike, (Pech).
337. tenuifolium, Torr. & Gr.
Greene, (Shepard).
338. viridiflorum, Beck.
Cass, (Broadhead), Pike, (Pech).
339. **Lespedeza** capitata, Michx. Bush Clover
Common.
340. hirta, Ell.
Wright, (Bush).

341. procumbens, Michx.
Mississippi, (Galloway).
342. repens, Torr. & Gray.
Common.
343. reticulata, Pers.
Jackson, (Bush).
344. var. angustifolia, Maxim.
Jackson, (Bush), St. Louis, (Murtfeldt).
345. Stuvei, Nutt.
Marion, (Broadhead).
346. violacea, Pers.
Common.
347. var. divergens, Gray.
Jackson, (Bush).
348. var. angustifolia, Gray.
Jackson & Wright, (Bush).
349. **Vicia Americana**, Muhl. Vetch.
Jackson, (Bush).
350. Caroliniana, Walt.
Boone, (Galloway), Greene, (Shepard), Iron, (Broadhead).
351. **Lathyrus maritimus**, Big. Beach Pea.
Pike, (Pech).
352. palustris, L. Marsh Vetchling.
Boone, (Tracy), Pike, (Pech), Ray, (Swallow).
353. **Clitoria Mariana**, L. Butterfly Pea.
Boone, (Galloway), Iron & Madison, (Broadhead).
354. **Amphicarpæa monoica**, Nutt. Hog Pea-nut.
Cass & Jackson, (Broadhead), Pike, (Pech), St. Louis, (Murtfeldt); also a white variety in Cass & Jackson, (Broadhead).
355. **Apios tuberosa**, Mœnch. Ground-nut.
Common
356. **Phaseolus diversifolius**, Pers. Wild Bean.
Cass, (Broadhead), Jackson, (Bush), Pike, (Pech).
357. helvolus, L.
Jackson, (Bush).
358. pauciflorus, Benth.
Jackson, (Bush), Pike, (Pech), St. Louis, (Murtfeldt).
359. **Gymnocladus Canadensis**, Lam. Kentucky Coffee-tree.
Common everywhere.

360. **Gleditschia** monosperma, Walt. Water Locust.
Howell, (Tracy), Mississippi & New Madrid, (Galloway), Wright, (Bush); mouth of Missouri & Meramec Rivers, (Letterman).
361. triacanthos, L. Honey Locust.
Common everywhere.
362. **Cassia** Chamæcrista, L. Partridge Pea.
Common.
363. Marilandica, L. Wild Senna.
Common.
364. nictitans, L. Wild Sensitive Plant.
Greene, (Shepard), Pike, (Pech), St. Louis, (Murtfeldt), Wright, (Bush).
365. obtusifolia, L.
St. Louis, (Riehl).
366. **Cercis** Canadensis, L. Red-bud.
Common everywhere.
367. **Desmanthus** brachylobus, Benth.
Cass, (Broadhead), Jackson, (Bush), Pike, (Pech), St. Louis, (Letterman).
368. **Schrankia** uncinata, Willd. Sensitive Briar
Common everywhere.

ROSACEÆ.

Rose Family.

369. **Prunus** Americana, Marshall. Wild Plum.
Common.
370. Chicasa, Michx. Chickasaw Plum.
Eastern, Central and Southern, but not in Northwest.
371. Pennsylvanica, L. Wild Red Cherry.
Adair, (Broadhead), Pike, (Pech), St. Louis, (Murtfeldt).
372. pumila, L. Dwarf Cherry.
Missouri, (Torr. & Gray).
373. serotina, Ehrh. Wild Black Cherry.
Common Northwest.
374. Virginiana, L. Choke Cherry.
Common everywhere.
375. umbellata, Ell.
Miller, (Winick).
376. **Spiræa** Aruncus, L. Goat's Beard.
Pike, (Pech), St. Louis, (Letterman), Wright, (Bush.)

377. *betulifolia*, Pallas.
 Putnam, (Swallow).
378. *salicifolia*, L. Meadow Sweet.
 Boone, (Tracy), Greene, (Shepard), Jackson, (Bush).
379. *tomentosa*, L. Steeple-Bush.
 Boone, (Tracy), Clark and Cooper, (Swallow), Harrison, (Broadhead).
380. **Neillia** *opulifolia*, Benth & Hook. Nine-Bark.
 Boone, (Tracy), Jackson, (Bush), Eastern and Southern Mo., (Broadhead).
381. **Gillenia** *stipulacea*, Nutt. American Ipecac.
 Boone, (Tracy), Pike, (Pech), Common South of Missouri river.
382. *trifoliata*, Mœnch. Bowman's Root.
 St. Louis and Iron, (Letterman).
383. **Rubus** *Canadensis*, L. Dewberry.
 Common everywhere.
384. *cuneifolius*, Pursh. Sand Blackberry.
 Pike, (Pech).
385. *occidentalis*, L. Black Raspberry.
 Common.
386. *strigosus*, Michx. Red Raspberry.
 Common.
387. *trivialis*, Michx. Low Bush Blackberry.
 Common.
388. *villosus*, Ait. High Blackberry.
 Common.
389. *var. frondosus*, Torr.
 Jackson, (Bush).
390. **Geum** *album*, Gmelin. Avens.
 Common in dry woods.
391. *macrophyllum*, Willd.
 Nodaway, (Broadhead).
392. *rivale*, L. Purple Avens.
 Pike, (Pech), St. Louis, (Riehl).
393. *triflorum*, Pursh. Three-Flowered Avens.
 (Watson in King's 5th Report.
394. *vernum*, Torr. & Gray.
 Common in Southeast.
395. *Virginianum*, L.
 Jackson, (Bush), Pike (Pech), St. Louis, (Murtfeldt).

396. **Fragaria vesca**, L. Strawberry.
Greene, (Shepard).
397. **Virginiana**, Ehrh. Strawberry.
Common.
398. **var. Illinoensis**, Gray.
Jackson, (Bush), Miller, (Winick), St. Louis, (Murtfeldt), Pettis, (McCluney).
399. **Potentilla argentea**, L. Silvery Cinque-foil.
Greene, (Shepard).
400. **arguta**, Pursh.
(Torrey & Gray.)
401. **millegrana**, Engelm.
Jackson, (Bush).
402. **Canadensis**, L. Five-finger.
Common everywhere.
403. **var. simplex**, T. & Gray.
Boone, (Tracy), Greene, (Shepard).
404. **Norvegica**, L.
Common.
405. **paradoxa**, Nutt.
Jackson, (Bush), St. Louis, (Letterman).
406. **rivalis**, Nutt.
Jackson, (Bush).
407. **var. pentandra**, Watson.
Jackson, (Bush).
408. **supina**, L.
Jackson, (Bush), St. Louis, (Riehl).
409. **Agrimonia Eupatoria**, L. Agrimony.
Common everywhere.
410. **parviflora**, Ait. Small-flowered Agrimony.
Jackson, (Bush), St. Louis, (Murtfeldt).
411. **Rosa blanda**, Ait. Early Wild Rose.
Common.
412. **Carolina**, L. Swamp Rose.
Boone, (Tracy), Common South of the Missouri river.
413. **lucida**, Ehrh. Dwarf Wild Rose.
Common everywhere.
414. **nitida**, Wild.
Jackson, (Bush).
415. **rubiginosa**, L. Sweet Brier.
Naturalized in Boone, (Tracy).

434. var. *alnifolia*, Gray.
Jackson, (Bush).
435. var. *oblongifolia*, Gray.
Greene, (Shepard).

SAXIFRAGACEÆ.

Saxifrage Family.

436. **Saxifraga** *Forbesii*, Vasey.
St. Louis, (Letterman).
437. **Mitella** *diphylla*, L. Bishop's Cap.
Jefferson, (Letterman), St. Louis, (Kellogg).
438. **Heuchera** *Americana*, L. Alum Root.
Marion, (Broadhead).
439. *hispida*, Pursh.
Cass, (Broadhead), Greene, (Shepard), St. Charles, (Egeling).
440. *villosa*, Michx.
Pike, (Pech), St. Louis, (Murtfeldt).
441. **Hydrangea** *aborescens*, L. Wild Hydrangea.
Missouri River bluffs, (Broadhead), Pike, (Pech), St. Louis, (Tracy).
442. *radiata*, Walt.
Greene, (Shepard).
443. **Itea** *Virginica*, L.
Pike, (Swallow).
444. **Ribes** *aureum*, Parsh. Missouri Currant.
Common in rocky woodlands.
445. *Cynosbati*, L. Gooseberry.
Boone, (Tracy), Gasconade, (Broadhead).
446. *gracile*, Michx.
"Independence Co." (Nuttall).
447. *rotundifolium*, Michx. Gooseberry.
Common everywhere.

CRASSULACEÆ.

Orpine Family.

448. **Sedum** *acre*, L. Mossy Stone-crop.
Gentry, (Broadhead).
449. *pulchellum*, Michx.
Common.

462. **Lythrum** alatum, Pursh. Loosestrife.
Common.
463. **Nesaea** verticillata, H. B. K. Swamp Loosestrife.

ONAGARACEÆ.

Evening Primrose Family.

464. **Epilobium** angustifolium, L. Great Willow Herb.
Pemiscot, (Swallow).
465. coloratum, Muhl.
Boone, (Tracy), Jackson, (Bush), Pike, (Pech).
466. **Jussiaea** pilosa, H. B. K.
St. Charles, (Egeling).
467. **Ludwigia** alata, Ell. False Loosestrife.
Jackson, (Bush).
468. alternifolia, L. Seed Box.
Pike, (Pech), Common South of Mo. River.
469. linearis, Walt.
Pike, (Pech).
470. palustris, Ell. Water Purslane.
Jackson, (Bush), St. Louis, (Riehl).
471. polycarpa, Short & Peter.
Jackson, (Bush).
472. **Oenothera** biennis, L. Evening Primrose.
Common everywhere.
473. var. grandiflora, Lindl.
(Watson, in King's 5th Report).
474. fruticosa, var. linearis, Watson. Sundrops.
Jefferson, (Tracy).
475. glauca, Michx.
Webster, (Swallow).
476. linifolia, Nutt.
Cass and Webster, (Broadhead), Franklin, (Letterman).
477. Missouriensis, Sims.
St. Louis and Ozark Mountain region.
478. riparia, Nutt.
Mississippi, (Galloway).
479. serrulata, Nutt.
Atchison & Vernon, (Broadhead).

493. *Rafinesquii*, Engelm.
Greene, (Shepard), Jackson, (Bush).
494. *vulgaris*, Mill.
St. Louis, (Murtfeldt).

FICOIDEÆ.

495. **Mollugo** *verticillata*, L. Carpet Weed.
Boone, (Tracy), Jackson, (Bush), Pike, (Pech), St.
Louis, (Riehl).

UMBELLIFERÆ.

Parsley Family.

496. **Eryngium** *prostratum*, Nutt.
Butler, (Letterman).
497. *yuccæfolium*, Michx. Rattlesnake Weed,
Common.
498. **Sanicula** *Canadensis*, L. Black Snakeroot.
Jackson, (Bush), Miller, (Winick), St. Louis, (Murt-
feldt).
499. *Marilandica*, L.
Common.
500. **Erigenia** *bulbosa*, Nutt. Harbinger of Spring.
Common in woodlands.
501. **Bupleurum** *rotundifolium*, L. Through-wax.
Southwest, (Broadhead).
502. **Cicuta** *maculata*, L. Musquash-Root.
Common.
503. **Sium** *cicutæfolium*, Gmel. Water Parsnip.
Cass, (Broadhead). Jackson, (Mann), Pike, (Pech).
504. **Pimpinella** *integerrima*, DC.
Common.
505. **Cryptotaenia** *Canadensis*, DC. Honewort.
Cass, (Broadhead), Jackson, (Bush), Pike, (Pech).
506. **Osmorrhiza** *brevistylis*, D. C. Hairy Sweet Sicily.
Pike, (Pech), St. Louis, (Letterman).
507. *longistylis*, DC. Smooth Sweet Sicily.
Common in rich woods.
508. **Chærophyllum** *procumbens*, Lam. Chervil.
Common.
509. *Teinturieri*, Hook. & Arn.
Jackson, (Bush).

510. **Discopleura** Nuttallii, DC. Mock Bishop-weed.
Common everywhere.
511. **Ligusticum** actæifolium, Michx. Angelico.
St. Louis, (Letterman).
512. **Thaspium** aureum, Nutt. Meadow Parsnip.
Common.
513. barbinode, Nutt.
Boone, (Tracy), Cass, (Broadhead), Greene, (Shepard).
514. trifoliatum, Gray.
Johnson and Madison, (Broadhead).
515. var. atropurpureum, T. & Gray.
Jackson, (Bush).
516. **Angelica** Curtisii, Buckl. Angelica.
Pike, (Pech).
517. **Archangelica** atropurpurea, Hoffm. Great Angelica.
Jackson, (Bush).
518. Gmelini, DC.
Pike, (Pech).
519. hirsuta, Torr & Gray.
Greene, (Shepard), Iron, (Letterman).
520. **Peucedanum** fœniculaceum, Nutt.
Cass, (Broadhead), Jackson, (Bush).
521. **Archemora** rigida, D. C. Cowbane.
[Greene, (Shepard).
522. **Heracleum** lanatum, Michx. Cow-Parsnip.
Cass, Clinton and Linn, (Broadhead).
523. **Polytænia** Nuttallii, DC.
Jackson, (Bush).
524. **Conioselenium** Canadense, T. & G. Hemlock Parsley.
Boone, (Tracy), Sullivan, (Broadhead).
525. **Daucus** Carota, L. Carrot.
Occasionally persistent in old fields.
526. **Pastinaca** sativa, L. Parsnip.
Occasionally naturalized.

ARALIACEÆ.

Ginseng Family.

527. **Aralia** nudicaulis, L. Wild Sarsaparilla.
Boone, (Tracy), Pike, (Pech).
528. quinquefolia, Gray. Ginseng.
Common in rich woodlands.

529. racemosa, L. Spikenard.
Iron, (Broadhead), Pike, (Pech), St. Louis, (Letterman.)
530. spinosa, L. Hercules' Club.
Becoming common South.

CORNACEÆ.

Dogwood Family.

531. **Cornus** asperifolia, Michx. Rough-leaved Dogwood.
Common.
532. circinata, L'Her. Round-leaved Dogwood.
Bluffs of Miss. and Mo. Rivers in Eastern part of
State.
533. florida, L. Flowering Dogwood.
Common, except Northwest.
534. paniculata, L'Her. Panicked Cornel.
Common.
535. sericea, L. Kinnikinnick.
Common.
536. stolonifera, Michx. Red-osier Dogwood.
Johnson, (Bush), Mississippi, (Galloway).
537. **Nyssa** multiflora, Wang. Sour Gum.
Common South.
538. uniflora, Walt. Large Tupelo.
Common Southeast.

CAPRIFOLIACEÆ.

Honeysuckle Family.

539. **Sambucus** Canadensis, L. Common Elder.
Common everywhere.
540. **Viburnum** dentatum, L. Arrow wood.
Common.
541. lantanoides, Michx. Hobble-bush.
Madison, (Broadhead), St. Louis, (Tracy).
542. Lentago, L. Sheep-berry.
Jackson, Greene, (Bush), Miller, (Winick), St. Louis,
(Letterman).
543. Opulus, L. Cranberry-tree.
St. Louis, (Murtfeldt).

561. **Oldenlandia** glomerata, Michx.
Greene, (Shepard), Pike, (Pech).
562. **Cephalanthus** occidentalis, L. Button Bush.
Common along streams.
563. **Diodia** Virginana, L. Button Weed.
Mississippi, (Galloway).
564. teres, Wait.
Common Southward.
565. **Galium** Aparine, L. Goose Grass.
Common everywhere.
566. asprellum, Michx. Rough Bedstraw.
Cass, (Broadhead), St. Louis, (Riehl).
567. Arkansanum, Gray.
(Engelmann).
568. circæzans, Michx. Wild Licorice.
Boone, (Tracy), Jackson, (Bush), St. Louis, (Riehl).
569. concinnum, T. & Gray.
Common.
570. latifolium, Michx.
Boone, (Tracy,) Greene, (Bush).
571. pilosum, Ait.
Pike, (Pech).
572. trifidum, L. Small Bedstraw.
Cass, (Broadhead), Jackson, (Bush), St. Louis, (Riehl).
573. triflorum, Michx. Sweet-scented Bedstraw.
Jackson, (Bush), Pike, (Pech), St. Louis, (Murtfeldt).
574. virgatum, Nutt.
Iron, Jefferson, St. Louis, Washington, (Letterman).

VALERIANACEÆ.

575. **Valeriana** pauciflora, Michx. Valerian.
(Gray in Flora of N. A.)
576. **Valerianella** radiata, Michx. Corn Salad.
Bates (Broadhead), Boone, (Tracy), Jackson, (Bush).
577. stenocarpa, Krok.
Jackson, (Bush).
578. chenopodifolia, DC.
Boone, (Galloway).

DIPSACEÆ.

Teasel Family.

579. **Dipsacus** *sylvestris*, Mill. Wild Teasel.
Franklin, St. Louis, (Letterman), Greene, (Shepard).

COMPOSITÆ.

Sunflower Family.

580. **Elephantopus** *Carolinianus*, Willd. Elephant's Foot.
Boone, (Tracy), Jackson, (Bush), Pike, (Pech), St.
Louis, (Letterman).
581. **Vernonia** *Arkansana*, DC. Ironweed.
Common Southward.
582. *altissima*, Nutt.
Cass, Pettis, (Broadhead), Jackson, (Bush)
583. *Baldwinii*, Torr.
Eastern Mo., (Gray).
584. *fasciculata*, Michx.
Jackson, (Bush), Pike, (Pech), St. Louis, (Murtfeldt).
585. *Noveboracensis*, Willd.
Common.
586. *var. latifolia*, Gray,
Greene and Jackson, (Bush).
587. **Eupatorium** *ageratoides*, L. White Snake-root.
Common.
588. *altissimum*, L.
Common.
589. *aromaticum* L.
Jackson, rare, (Bush), Pettis, (McCluney).
590. *coelestinum*, L.
Pike, (Pech), St. Louis, (Tracy), Southern Mo., (Broad-
head).
591. *perfoliatum*, L. Thoroughwort.
Common everywhere.
592. *var. cuneatum*, Eng.
Eastern Mo., (Engelmann).
593. *purpureum*, L. Joe Pye Weed.
Common.

594. serotinum, Michx. Jackson, (Bush), Pettis, (McCluney), Pike, (Pech), St. Louis, (Murtfeldt).
595. sessilifolium, L. Upland Boneset.
Boone, (Galloway), Wright, (Bush).
596. **Kuhnia** eupatorioides, L. Cass, (Broadhead), Jackson, (Bush), Pike, (Pech), St. Francois, (Galloway).
597. **Liatris** cylindracea, Michx. Blazing Star.
Common.
598. elegans, Willd. Boone, (Galloway), Nodaway, Pike, Ralls, (Broadhead).
599. graminifolia, Pursh. var. dubia, Gray.
Pike, (Pech).
600. punctata, Hook. Jackson, (Bush).
601. pycnostachya, Michx. Audrain, (Tracy), Cass, (Broadhead), Jackson, (Bush).
Pettis, (McCluney), St. Louis, (Murtfeldt).
602. scariosa, Willd. Common everywhere.
603. spicata, Willd. Jackson, (Mann).
604. squarrosa, Willd. Common.
605. **Aphiachyris** dracunculoides, Nutt. Common Westward, (Broadhead).
606. **Grindelia** lanceolata, Nutt. Wright, (Bush).
607. squarrosa, Dunal. In a few Southwestern counties.
608. var. nuda, Gray. St. Louis, (Gray in Flora of N. A.).
609. **Aplopappus** ciliatus, DC. (Gray in Flora of N. A.).
610. **Solidago** bicolor, L. Golden Rod.
Boone, (Galloway).
611. var. concolor, Torr. & Gray. Wright, (Bush).
612. Canadensis, L. Common.

613. var. *scabra*, Torr. & Gray.
Jackson, (Bush).
614. *Drummondii*, Torr. & Gray.
Boone, (Tracy) St. Louis, (Drummond).
615. *Gattingeri*, Chapm.
St. Louis, (Letterman), Wright, (Bush).
616. *lanceolata*, L.
Jackson, (Bush).
617. *latifolia*, L.
Pike, (Pech), St. Louis, (Letterman).
618. *Missouriensis*, Nutt.
Common on dry prairies.
619. *nemoralis*, Ait.
Boone, (Galloway), Jackson, (Bush), St. Louis, (Murtfeldt).
620. *patula*, Muhl.
(Gray in Flora N. A).
621. *petiolaris*, Ait.
Greene. (Shepard), Wright, (Bush).
622. *puberula*, Nutt.
Butler, (Letterman).
623. *radula*, Nutt.
Jackson, (Bush).
624. *Riddellii*, Frank.
St. Charles, (Egeling), St. Louis, (Engelmann).
625. *rigida*, L.
Common.
626. *rupestris*, Raf.
Jackson, (Bush).
627. *serotina*, Ait.
Jackson, (Bush), St. Louis, (Murtfeldt).
628. var. *gigantea*, Gray.
Cass, (Broadhead), Jackson, (Bush), Pike, (Pech).
629. *Shortii*, Torr. & Gray.
Wright, (Bush).
630. *speciosa*, Nutt.
Common Westward.
631. var. *rigidiuscula*, Torr. & Gray.
Jackson, (Bush), St. Louis, (Engelmann).
632. *tenuifolia*, Pursh.
Common Westward.

633. *ulmifolia*, Muhl.
Boone, (Tracy), Jackson, (Bush), Pike, (Pech).
634. **Chaetopappa** *asteroides*, DC.
(Gray in Flora N. A.)
635. **Boltonia** *asteroides*, L'Her.
Jackson, (Bush), Pike, (Pech).
636. *var. decurrens*, Engelm.
St. Louis, (Eggert).
637. *latisquama*, Gray.
Cass, (Broadhead), Jackson, (Parry), Pettis, (Mc-
Cluney).
638. **Aster** *anomalus*, Engelm.
St. Louis, (Engelmann), Wright, (Bush).
639. *azureus*, Lindl.
Common.
640. *cordifolius*, L.
Boone, (Tracy), Cass, (Broadhead), Pike, (Pech).
641. *diffusus*, Ait.
Cass, (Broadhead), Pike, (Pech).
642. *Drummondii*, Lindl.
Jackson, (Bush), St. Louis, (Torr. & Gray.)
643. *ericoides*, L.
Jackson and Wright, (Bush), St. Louis, (Tracy).
644. *var. villosus*, T. & G.
(Gray in Flora, N. A.)
645. *grandiflorus*, L.
Pike, (Pech).
646. *juncceus*, Ait.
Greene, (Shepard).
647. *lævis*, L.
Common.
648. *linariifolius*, L.
Wright, (Bush).
649. *longifolius*, Lam.
St. Louis, (Murtfeldt).
650. *multiflorus*, Ait.
Common.
651. *Novæ-Angliæ*, L.
Common.
652. *olongifolius*, Nutt.
Cass, (Broadhead), Jackson, (Bush),

653. *paludosus*, Ait.
 (Gray in Flora, N. A.)
654. *patens*, Ait.
 Greene, (Shepard), Wright, (Bush).
655. *paniculatus*, Lam.
 Cass, (Broadhead), Jackson, (Bush).
656. *ptarmicoides*, T. & Gray.
 Common Southward.
657. *reticulatus*, Pursh.
 Cass and Jackson, (Broadhead.)
658. *sagittifolius*, Willd.
 Greene, (Shepard), St. Louis, (Drummond).
659. *salicifolius*, Ait.
 Cass, (Broadhead), Jackson, (Bush).
660. *var. subasper*.
 St. Louis, (Drummond).
661. *sericeus*, Vent.
 Common.
662. *Shortii*, Boot.
 Pike, (Pech.)
663. *tenuifolius*, L.
 Jackson, (Bush), St. Louis, (Murtfeldt).
664. *Tradescanti*, L.
 Boone, (Galloway), Jackson, (Bush).
665. *turbinellus*, Lindl.
 Common everywhere.
666. *undulatus*, L.
 Boone, (Galloway).
667. ***Erigeron annuus***, Pers. Fleabane.
 Common everywhere.
668. *bellidifolius*, Muhl.
 Common.
669. *Canadensis*, L.
 Common.
670. *divaricatus*, Michx.
 Common.
671. *glabellus*, Nutt.
 "Missouri," (Nuttall).
672. *Philadelphicus*, L.
 Common everywhere.
673. *strigosus*, Muhl.
 Common.

674. **Pluchea** camphorata, DC. Salt-marsh Fleabane.
St. Louis, (Murtfeldt).
675. **Antennaria** plantaginifolia, Hook. Everlasting.
Common.
676. **Gnaphalium** decurrens, Ives. Everlasting.
Boone, (Galloway).
677. polycephalum, Michx.
Boone, (Tracy), Green and Jackson, (Bush), Pettis,
(McCluney), St. Louis, (Riehl).
678. purpureum, L. Purple Cudweed.
St. Louis, (Riehl).
679. **Inula** *Helenium*, L.
Boone, (Tracy), Jackson, (Bush).
680. **Polymnia** Canadensis, L. Leaf Cup.
Pike, (Pech), St. Louis, (Letterman).
681. var. radiata, Gray.
Jackson, (Mann).
682. Uvedalia, L.
Butler and St. Louis, (Letterman).
683. **Silphium** integrifolium, Michx. Common.
684. laciniatum, L. Rosin Weed.
Common on dry prairies.
685. perfoliatum, L. Cup-Plant.
Common.
686. terebinthinaceum, L. Compass Plant.
Common on wet prairies.
687. **Berlandiera** Texana, DC.
Southwest Missouri, (Gray).
688. tomentosa, T. & Gray.
(Gray in Flora, N. A.)
689. **Parthenium** integrifolium, L. Common.
690. ciliata, Willd. Hairy Marsh Elder.
Greene, Jackson, (Bush), Pike, (Pech).
691. frutescens, L.
Boone, (Galloway).
692. xanthiifolia, Nutt. Marsh Elder.
Common.
693. **Ambrosia** bidentata, Michx. Ragweed.
Cass, (Broadhead), Greene, (Shepard), Iron, (Letterman).

714. **Lepachys** pinnata, Torr. & Gray.
Cass, (Broadhead), Jackson, (Bush), Pike, (Pech):
715. **Helianthus** angustifolius, L. Sunflower.
Ralls, Vernon, (Broadhead.)
716. *annuus*, L. Common Sunflower.
Very common West, and becoming so East.
717. *decapetalus*, L.
Pike, (Pech).
718. *divaricatus*, L.
St. Louis, (Riehl).
719. *doronicoides*, Lam.
Common westward.
720. *giganteus*, L.
Pettis, (McCluney), Pike, (Pech), St. Louis, (Engelmann).
721. *grosse-serratus*, Martins.
Common.
722. *hirsutus*, Raf.
Cass, (Broadhead), Jackson, (Mann).
723. *lætiflorus*, Pers.
Cass, (Broadhead), Pettis, (McCluney), St. Louis, (Murtfeldt).
724. *Maximiliani*, Schrad.
Wright, (Bush).
725. *mollis*, Lam.
Common.
726. *occidentalis*, Riddell.
(Gray in Flora of N. A.)
727. *orgyalis*, D. C.
Vernon, (Broadhead).
728. *petiolaris*, Nutt.
Jackson, (Bush).
729. *rigidus*, Desf.
Common.
730. *strumosus*, L.
Jackson, (Bush).
731. *tracheliiifolius*, Willd.
(Jackson, (Bush).
732. *tuberosus*, L. Artichoke.
Occasionally escaped.
733. *var. subcanescens*, Gray.
St. Louis, (Engelmann).

784. **Verbesina** helianthoides, Mx. Crownbeard.
Common everywhere.
785. **Virginica**, L.
Iron, (Letterman).
786. **Actinomeris** squarrosa, Nutt.
Jackson, (Bush), Pettis, (McCluney), Pike, (Pech), St.
Louis, (Murtfeldt).
787. **alba**, T. & G.
Perry. (Demetrio).
788. **Coreopsis** aristosa, Michx. Tick-seed
Common.
789. **var. mutica**, Gray.
Jackson, (Bush).
790. **auriculata**, L.
Greene, (Shepard), Pettis, (McCluney), St. Louis,
(Riehl).
791. **discoida**, Torr & Gray.
Pike, (Pech).
792. **gladiata**, Walt.
Newton, (Broadhead).
793. **grandiflora**, Nutt.
Common Southwest.
794. **involucrata**, Nutt.
Greene, Jackson, (Bush).
795. **lanceolata**, L.
Greene, Wright, (Bush), St. Louis, (Letterman).
796. **palmata**, Nutt.
Common.
797. **pubescens**, Ell.
(Gray in Flora of N. A.)
798. **senifolia**, Michx.
St. Louis, (Drummond).
799. **tinctoria**, Nutt.
Common about old gardens.
800. **trichosperma**, Michx. Tick-seed Sunflower.
Boone, (Tracy), Pike, (Pech).
801. **tripteris**, L. Tall Coreopsis.
Cass, (Broadhead), Jackson, (Bush), Lewis, (Egeling).
802. **verticillata**, L.
Lewis, (Egeling), Pettis, (McCluney).
803. **Bidens** Beckii, Torr. Water Marigold.
St. Louis, (Beck).

804. *bipinnata*, L. Spanish Needles.
Common everywhere.
805. *cernua*, L. Small Bur-Marigold.
Common.
806. *chrysanthemoides*, Mx. Large Bur-Marigold..
Jackson, (Bush), Pike, (Pech).
807. *connata*, Muhl. Swamp Beggar-ticks..
Common everywhere.
808. *frondosa*, L. Common Beggar-ticks.
Common everywhere.
809. **Hymenopappus** *tenuifolius*, Pursh.
(Watson in King's 5th Report).
810. **Helenium** *autumnale*, L. Sneeze-weed..
Common.
811. *nudiflorum*, Nutt.
Pike, (Pech), St. Louis, (Letterman).
812. *tenuifolium*, Nutt.
Jackson, (Bush). Migrating toward St. Louis along
I. M. R. R., (Letterman).
813. **Gaillardia** *aristata*, Pursh.
(Gray in Flora of N. A.).
814. *pinnatifida*, Torr.
(Gray in Flora of N. A.).
815. **Dysodia** *chrysanthemoides*, Lag. Fetid Marigold..
Common.
816. **Anthemis** *arvensis*, L. Chamomile.
Waste places, St. Louis, (Murtfeldt).
817. *Cotula*, L. May-weed..
Along roadsides everywhere.
818. **Achillea** *Millefolium*, L. Milfoil.
Common everywhere, and becoming a troublesome
weed Westward.
819. **Matricaria** *discoidea*, DC. Wild Chamomile.
St. Louis, (Engelmann).
820. **Chrysanthemum** *Leucanthemum*, L. Ox-eye Daisy.
Boone, (Galloway), Jackson and Randolph, (Bush),
Pettis, (McCluney), St. Louis, (Murtfeldt).
821. **Tanacetum** *vulgare*, L. Tansy..
Common in old gardens.
822. **Artemisia** *annua*, L. Wormwood.
Jackson, (Bush).
823. *biennis*, Wild. Biennial Wormwood..
Jackson, (Bush), St. Louis, (Riehl).

824. *Canadensis*, Michx.
Pike, (Pech).
825. *caudata*, Michx.
(Torrey & Gray).
826. *dracunculoides*, Pursh.
Jackson, (Bush), St. Louis, (Engelmann).
827. *frigida*, Willd.
(Torrey & Gray).
828. *Ludoviciana*, Nutt. Western Mugwort.
Common.
829. *vulgaris*, L. Common Mugwort.
Common westward.
830. **Senecio aureus**, L. Squaw-weed.
Common everywhere.
831. var. [?] *Balsamita*, T. & G.
Jackson, (Bush).
832. *lobatus*, Pers. Butter-weed.
Common.
833. *tomentosus*, Mx. Woolly Ragwort.
Pike, (Pech).
834. *vulgaris*, L. Common Groundsel
Boone. (Tracy).
835. **Cacalia atriplicifolia**, L. Pale Indian Plantain.
Common in damp woods.
836. *reniformis*, Muhl. Great Indian Plantain.
Boone, (Tracy).
837. *suaveolens*, L. Indian Plantain.
Pike, (Pech).
838. *tubrosa*, Nutt. Tuberous Indian Plantain.
Common.
839. **Erechthites hieracifolia**, Raf. Fireweed.
Common.
840. **Artium Lappa**, L. Burdock.
Common in rich ground.
841. **Cnicus altissimus**, Willd. Tall Thistle.
Common.
842. var. *discolor*, Gray.
Jackson (Bush).
843. *arvensis*, Hoff. Canada Thistle.
Very rare, but has been found in Cass, Jackson and
one or two other counties.

844. *lanceolatus*, Hoff. Common Thistle.
Common.
845. *Virginianus*, Pursh.
Greene, (Shepard).
846. **Apogon** *humilis*, Ell.
Bates, Cass, (Broadhead).
847. **Krigia** *Virginica*, Willd. Dwarf Dandelion.
Common Eastward.
848. Dandelion, Nutt.
St. Louis, (Engelmann).
849. **Cichorium** *Intybus*, Cichory.
Greene, (Shepard).
850. **Hieracium** *Canadense*, Michx. Canada Hawkweed.
Cass, (Broadhead).
851. *Gronovii*, L. Hairy Hawkweed.
Pike, (Pech), Wright, (Bush).
852. *longipilum*, Torr. Long-bearded Hawkweed.
Greene and Jackson, (Bush).
853. *scabrum*, Michx. Rough Hawkweed.
Wright, (Bush).
854. **Prenanthes** *aspera*, Mx. Rattlesnake Root.
Common.
855. *altissima*, L, Tall White Lettuce.
Wright, (Bush).
856. *racemosa*, Mx.
Greene, (Shepard).
857. *crepidinea*, Mx.
Pike, (Pech), St. Louis, (Riehl).
858. **Troximon** *cuspidatum*, Pursh.
Common.
859. **Taraxacum** *officinale*, Weber. Dandelion.
Common everywhere.
860. **Pyrrhopappus** *Carolinianus*, DC. False Dandelion.
Greene, (Shepard), Madison, (Broadhead), Missis-
sippi, (Galloway).
861. *scaposus*, DC.
Bates and Vernon, (Broadhead)

862. **Lactuca scariola**, L. Prickly Lettuce.
 Jackson, (Bush) "Thoroughly naturalized in St.
 Louis during the last eight years, and has now
 taken to the woods."—(Letterman.)
863. **Canadensis**, L. Common.
864. **integrifolia**, T. & G.
 Boone, (Tracy), Jackson, (Bush), St. Louis, (Murtfeldt).
865. **hirsuta**, Muhl.
 Jackson, (Bush).
866. **Ludoviciana**, DC.
 Jackson, (Bush).
867. **Floridana**, Gærtn.
 Common along old fences.
868. **acuminata**, Gray.
 Jackson, (Bush), St. Louis, Murtfeldt.
869. **Sonchus oleraceus**, L. Sow thistle.
 Common.
870. **asper**, Vill. Spiny-leaved Sow-thistle.
 Common everywhere.
871. **arvensis**, L. Field Sow-thistle.
 Boone, (Galloway).

LOBELIACEÆ.

Lobelia Family.

872. **Lobelia cardinalis**, L. Cardinal Flower.
 All parts, but becoming rare.
873. **inflata**, L. Indian Tobacco.
 Boone, (Tracy), Jackson, (Bush), Pettis, (McCluney),
 Pike (Pech), St. Louis, (Murtfeldt).
874. **Kalmii**, L.
 Knox, (Broadhead).
875. **leptostachys**, A. DC.
 Common.
876. **puberula**, Michx.
 St. Louis, (Tracy).
877. **spicata**, Lam.
 Common.
878. **syphilitica**, L. Blue Lobelia.
 Common everywhere.

CAMPANULACEÆ.

Campanula Family.

879. **Specularia leptocarpa**, Gray.
Common Westward.
880. *perfoliata*, A. DC. Venus' Looking-glass.
Common everywhere.
881. **Campanula Americana**, L. Tall Bell-flower.
Common.

ERICACEÆ.

Heath Family.

882. **Gaylussacia resinosa**, T. & G. Black Huckleberry.
Miller, (Winick).
883. *dumosa*, T. & G. Dwarf Huckleberry.
Newton, (Broadhead).
884. **Vaccinium arboreum**, Marshall. Farkleberry.
Common South and Southeast.
885. *corymbosum*, L. Swamp Blueberry.
Greene, (Shepard), Iron, (Broadhead).
886. *Pennsylvanicum*, Lam. Dwarf Blueberry.
Common Southeast.
887. *stamineum*, L. Deerberry.
Iron, (Letterman).
888. *vacillans*, Solander. Low Blueberry.
Boone, Howard. Greene and Southeast.
889. **Arctostaphylos Uva-ursi**, Spreng. Bearberry.
Southeast, (Broadhead).
890. **Leucothoe racemosa**, Gray.
Madison, (Broadhead).
891. **Rhododendron nudiflorum**, Torr. Purple Azalea.
Madison, (Broadhead).
892. **Schweinitzia odorata**, Ell. Sweet Pinesap.
St. Louis, (Murtfeldt).
893. **Monotropa uniflora**, L. Indian Pipe.
Common from Pike, Boone and Jackson Southward.

PRIMULACEÆ.

Primrose Family.

894. **Dodecatheon** Meadia, L. Shooting Star.
Common.
895. **Androsace** occidentalis, Pursh.
Franklin, St. Louis, (Letterman), Jackson, (Bush),
Pike, (Pech).
896. **Steironema** ciliatum, Raf. Loosestrife.
Common
897. lanceolatum, Gray.
Cass, (Broadhead), St. Louis, (Riehl).
898. var. hybridum, Gray.
Jackson, Randolph, (Bush), Miller, (Winick).
899. longifolium, Gray.
Boone, (Tracy), Greene, (Shepard), Madison, (Broad-
head).
900. **Lysimachia** stricta, Ait.
St. Louis, (Murtfeldt).
901. nummularia, L. Moneywort.
Escaped from gardens in damp ground.
902. **Anagallis** arvensis, L. Pimpernel.
Jackson, (Bush), St. Louis, (Murtfeldt).
903. **Samolus** Valerandi, L. Water Pimpernel.
Pike, (Pech).
904. var. Americanus, Gray.
Greene, (Bush), St. Louis and Southeast, (Letterman).

SAPOTACEÆ.

Sapodilla Family.

905. **Bumelia** lanuginosa, Pers. Bumelia.
Occasionally from Missouri River bluffs Southward.
906. lycioides, Gærtn. ‡Southern Buckthorn.
St. Louis and Southward, (Letterman).
907. tenax, Willd.
Miller, (Winick).

EBENACEÆ.

Ebony Family.

908. **Diospyros** *Virginiana*, L. Persimmon.
Common except Northwest.

OLEACEÆ.

Ash Family.

909. **Fraxinus** *Americana*, L. White Ash.
The most common species.
910. *pubescens*, Lam. Red Ash.
Jackson, (Bush), Saline, (Galloway).
911. *quadrangulata*, Michx. Blue Ash.
Common Eastward from Chariton, Howard and Greene.
912. *sambucifolia*, Lam. Black Ash.
Boone, (Galloway), Callaway and Cedar, (Broadhead).
913. *viridis*, Michx. f. Green Ash.
Boone, (Galloway), Jackson, (Bush), Ralls, (Broadhead).
914. **Forestiera** *acuminata*, Poir.
Pike, (Pech), Bank of Mississippi at mouth of Mera-
mec River, (Letterman).
915. **Chionanthus** *Virginica*, L. White Fringe.
Mississippi, (Galloway).

APOCYNACEÆ.

Dogbane Family.

916. **Amsonia** *Tabernæmontana*, Walt.
Common.
917. **Apocynum** *androsæmifolium*, L.
Boone, (Galloway), Greene, (Shepard), Jackson, (Bush),
St. Louis, (Murtfeldt).
918. *cannabinum*, L. Indian Hemp.
Common everywhere.
919. *var. hypericifolium*, Gray.
Pike, (Pech), Putnam, (Swallow).

ASCLEPIADACEÆ.

Milkweed Family.

920. **Anantherix** connivens, Gray.
Franklin & St. Louis, (Letterman), Miller, (Winick).
921. **Asclepiodora** viridis, Gray.
Jackson, (Bush).
922. **Asclepias** Cornuti, Decaisne. Silkweed.
Common everywhere.
923. incarnata, L. Swamp Milkweed.
Common.
924. Meadii, Torr.
Cass, (Broadhead), Jackson, (Bush), Putnam, (Swallow).
925. obtusifolia, Michx.
Cass, (Broadhead), Jackson, (Bush).
926. paupercula, Michx.
Gentry, (Swallow).
927. perennis, Walt.
Mississippi, (Galloway).
928. phytolaccoides, Pursh. Poke Milkweed.
Iron, (Broadhead).
929. purpurascens, L. Purple Milkweed.
Common.
930. quadrifolia, Jacq. Four-leaved Milkweed.
Common.
931. rubra, L. Red Milkweed.
Boone, (Galloway), St. Louis, (Murtfeldt).
932. Sullivantii, Engelm.
Cass & Daviess, (Broadhead), Jackson, (Bush).
933. tuberosa, L. Pleurisy Root.
Common everywhere.
934. variegata, L.
Boone, (Galloway).
935. verticillata, L. Whorled Milkweed.
Common.
936. viridula, Chapm.
Miller, (Winick).
937. **Acerates** lanuginosa. Decaisne. Green Milkweed.
White River, (Nuttall).
938. longifolia, Ell.
Common.

939. viridiflora, Ell.
Cass, (Broadhead), Jackson, (Bush), Pike, (Pech).
940. var. lanceolata, Gray.
Jackson, (Bush).
941. var. linearis, Gray.
Jackson, (Bush).
942. **Enslenia** albida, Nutt.
Jackson, (Bush), Lawrence, (Swallow), St. Louis,
(Murtfeldt).
943. **Vincetoxicum** nigrum, Mœench.
Jackson, (Tracy).
944. **Gonolobus** Carolinensis, R. Br.
Franklin, Iron and St. Louis, (Letterman).
945. lævis, Michx. var. macrophyllus, Gray.
Greene, (Shepard).
946. obliquus, R. Br.
Madison, (Broadhead).

LOGANIACEÆ.

Logania Family.

947. **Spigelia** Marilandica, L. Pink Root.
Madison, (Broadhead), St. Francois, (Tracy).

GENTIANACEÆ.

Gentian Family.

948. **Sabbatia** angularis, Pursh. American Centaury.
Common.
949. stellaris, Pursh.
Clay, (Mann).
950. **Gentiana** alba. Muhl. White Gentian.
Common Westward.
951. Andrewsii, Griseb. Closed Gentian.
Jackson, (Bush), St. Louis, (Letterman).
952. angustifolia, Michx. Narrow-leaved Gentian.
Pettis, (McCluney), Ripley, (Broadhead).
953. puberula, Michx.
Common.
954. quinqueflora, Lam. Five flowered Gentian.
Adair, (Broadhead).

955. **Bartonia** tenella, Muhl.
Collected in Missouri by Swallow. No locality given.
956. **Limnanthemum** lacunosum, Griseb. Floating Heart.
"Missouri," (Meehan).

POLEMONIACEÆ.

Polemonium Family.

957. **Phlox** amœna, Sims. Sweet William.
Greene, (Shepard), Livingston, (Broadhead), Miller,
(Winick).
958. bifida, Beck.
(Gray's Manual, 5th Ed).
959. divaricata, L.
Common everywhere.
960. glaberrima, L.
Clay and Saline, (Broadhead), Jackson, (Bush), St.
Louis, (Letterman).
961. maculata, L. Common Wild Sweet William.
Common everywhere.
962. paniculata, L.
Common.
963. pilosa, L.
Common.
964. procumbens, Lehm.
Boone, (Galloway).
965. reptans, Michx.
Boone, (Tracy), Clay, (Broadhead), Knox, (Linn),
Pike, (Pech).
966. **Polemonium** reptans, L. Greek Valerian.
Common in damp places.

HYDROPHYLLACEÆ.

Waterleaf Family.

967. **Hydrophyllum** appendiculatum, Michx. Waterleaf.
Common.
968. macrophyllum, Nutt.
Jackson, (Bush).

969. *Virginicum*, L.
Common.
970. **Ellisia** *Nyctelea*, L.
Common in damp soils.
971. **Phacelia** *bipinnatifida*, Michx..
"Missouri," (Meehan).
972. *fimbriata*, Michx.
Pike, (Pech), St. Louis, (Riehl).
973. *parviflora*, Pursh.
Greene, (Shepard).
974. *var. hirsuta*, Gray.
Greene, (Shepard), Jasper, (Broadhead).
975. *Purshii*, Buckl.
Olay, (Broadhead).
976. **Hydrolea** *affinis*, Gray.
Butler, (Lettermann).
977. *quadrivalvis*, Walt.
Mississippi, (Galloway).

BORRAGINACEÆ.

Borrage Family.

978. **Heliotropium** *tenellum*, Torr. Wild Heliotrope.
Franklin, Greene, Iron and St. Louis, (Letterman),
Wright, (Bush).
979. *Indicum*, L. Indian Heliotrope.
Butler and St. Louis, (Letterman), Mississippi, (Gal-
loway).
980. **Cynoglossum** *officinale*, L. Hound's Tongue.
Common about old gardens.
981. *Virginicum*, L. Wild Comfrey.
Boone, (Tracy), Jackson, (Bush).
982. **Echinosperrum** *Virginicum*, Lehm. Stickseed.
Common.
983. **Mertensia** *Virginica*, DC. Virginian Cowslip.
Common in damp woods.
984. **Myosotis** *arvensis*, Hoffm. Forget-me-not.
Pike, (Pech).

985. *verna*, Nutt.
 St. Louis, (Geyer).
986. **Lithospermum** *arvense*, L. Corn Gromwell.
 Jackson, (Bush), St. Louis, (Murtfeldt).
987. *angustifolium*, Michx. Narrow-leaved Puccoon.
 Common.
988. *canescens*, Lehm. Alkanet.
 Common on dry hills.
989. *hirtum*, Lehm. Hairy Puccoon.
 Common.
990. *latifolium*, Michx. Wide-leaved Puccoon.
 Jackson, (Bush), Miller, (Winick).
991. **Onosmodium** *Carolinianum*, DC. False Gromwell.
 Jackson, (Bush), St. Louis, (Murtfeldt).
992. *var. molle*, Michx.
 Cass, (Broadhead), Jackson, (Bush).
993. *Virginianum*, DC.
 Jackson, (Bush), Pike, (Pech).
994. **Echium** *vulgare*, L. Blue-weed.
 Jackson, (Bush).
995. **Symphytum** *officinale*, L. Comfrey.
 Boone, (Galloway).

CONVOLVULACEÆ.

Morning Glory Family.

996. **Ipomœa** *coccinea*, L. Cypress-vine.
 Jackson, (Bush).
997. *hederacea*, Jacq.
 Jackson, (Bush), Miller, (Winick), St. Louis, (Murtfeldt).
998. *lacunosa*, L.
 Common.
999. *pandurata*, Meyer. Man-of-the Earth.
 Common.
1000. *purpurea*, Lam. Morning Glory.
 A troublesome weed.
1001. *Quamoclit*, L.
 Greene, (Shepard).
1002. **Convolvulus** *sepium*, L. Bindweed.
 Common.

1020. lanceolata, Gray.
Cass and Jackson, (Broadhead), St. Louis, (Geyer).
1021. var. hirta, Gray.
Jackson, (Bush).
1022. var. lævigata, Gray.
Jackson, (Bush).
1023. Virginiana, Mill.
Jackson, (Bush).
1024. viscosa, L.
Common everywhere.
1025. **Nicandra** *physaloides*, Gært'n. Apple of Peru,
Boone, (Galloway), Jackson, (Bush), Pike, (Pech), St.
Louis, (Murtfeldt).
1026. **Lycium** *vulgare*, Dunal. Matrimony Vine.
Common about old gardens.
1027. **Datura** *Stramonium*, L. Jamestown Weed.
Common Northwest.
1028. *Tatula*, L.
Common.
1029. **Nicotiana** longiflora. Wild Tobacco.
Jackson, (Mann).

SCROPHULARIACEÆ.

Figwort Family.

1030. **Verbascum** *Blattaria*, L. Moth Mullein.
Common along roadsides.
1031. *Thapsus*, L. Mullein.
Common in old fields.
1032. **Linaria** *Elatine*, Miller. Toad Flax.
St. Louis, along Mo. Pac. R. R. (Letterman).
1033. *vulgaris*, Miller. Butter-and-eggs.
Common.
1034. **Collinsia** verna, Nutt.
Common.
1035. violacea, Nutt.
Bates & Jasper, (Broadhead).
1036. **Scrophularia** nodosa, L., var. Marilandica, Gray. Figwort.
Common.
1037. **Chelone** glabra, L. Snake-head.
Pike, (Pech), St. Louis, (Letterman).

1038. **Pentstemon** gracilis, Nutt. Beardtongue.
Greene, (Shepard).
1039. grandiflorus, Nutt.
Atchison, (Broadhead).
1040. lævigatus, Solander
Banks of Mississippi River.
1041. var. Digitalis, Gray.
Common.
1042. pubescens, Solander.
Common Eastward, rare Westward.
1043. **Mimulus** alatus, Solander. Monkey Flower.
Common.
1044. Jamesii, T. & G.
Greene, (Shepard).
1045. ringens, Gray.
Boone & St. Louis. (Tracy), Jackson, (Bush).
1046. **Conohea** multifida, Benth.
Jackson, (Bush), Pike, (Pech), St. Louis, (Riehl).
1047. **Herpestis** rotundifolia, Pursh.
Cass, (Broadhead), Jackson, (Bush).
1048. **Gratiola** aurea, Muhl. Hedge Hyssop.
St. Louis, (Geyer).
1049. sphærocarpa, Ell.
Jackson, (Bush).
1050. Virginiana, L.
Cass & Knox, (Broadhead), Pike, (Pech), Randolph,
(Bush).
1051. **Ilysanthes** gratioloides, Benth. False Pimpernel.
Common.
1052. **Limosella** aquatica, L. Mudwort.
Jackson, (Bush).
1053. **Veronica** agrestis, L. Field Speedwell.-
St. Louis, (Tracy).
1054. Anagallis, L. Water Speedwell.
Greene, (Shepard), Jackson, (Bush).
1055. arvensis, L. Corn Speedwell.
Common.
1056. peregrina, L. Purslane Speedwell.
Very common in cultivated ground.
1057. serpyllifolia, L. Thyme-leaved Speedwell.
Boone, (Tracy), Marion, (Broadhead), Pike, (Pech).
1058. Virginica, L. Culver's Physic.
Common.

1059. **Buchnera** Americana, L. Blue Hearts.
Barton & Bates, (Broadhead), Greene, (Shepard), St.
Louis, (Riehl).
1060. **Seymeria** macrophylla, Nutt. Mullein Foxglove.
Boone & St. Louis, (Tracy), Cass, (Broadhead), Jack-
son, (Bush).
1061. **Gerardia** auriculata, Michx. Gerardia.
Cass, (Broadhead), Jackson, (Bush), St. Louis, (Murt-
feldt).
1062. flava, L. Downy Foxglove.
Pike, (Pech), Wright, (Bush).
1063. grandiflora, Benth.
Greene, (Shepard), Miller, (Winick).
1064. pedicularia, L.
Greene, (Shepard).
1065. purpurea, L. Purple Gerardia.
Common.
1066. quercifolia, Pursh. Smooth Foxglove.
Osage, (Swallow), Pike, (Pech).
1067. setacea, Walt.
Wright, (Bush).
1068. Skinneriana, Wood.
Jackson, (Bush).
1069. tenuifolia, Vahl. Slender Gerardia.
Common.
1070. **Castilleja** coccinea, Spreng. Painted Cup.
Common everywhere.
1071. sessiliflora, Pursh.
Greene, (Shepard).
1072. **Pedicularis** Canadensis, L. Lousewort.
Common in rich woods.
1073. lanceolata, Michx.
Greene, (Shepard).

OROBANCHACEÆ.

Broomrape Family.

1074. **Aphyllon** uniflorum, T. & G. One Flowered Cancer Root.
Common.
1075. **Epiphegus** Virginiana, Bart. Cancer Root.
Missouri, (Meehan).

LENTIBULACEÆ.

Bladderwort Family.

- | | | |
|-------|------------------------------|--------------------|
| 1076. | Utricularia minor, L. | Small Bladderwort. |
| | St. Louis, (Riehl). | |
| 1077. | vulgaris, L. | Great Bladderwort. |
| | Common in ponds. | |

BIGNONIACEÆ.

Bignonia Family.

1078. **Bignonia** capreolata, L.
Common Southeast.
1079. **Tecoma** radicans, Juss. Trumpetvine.
Common South of Pike, Boone, Pettis and Bates.
1080. **Catalpa** bignonioides, Walt. Common Catalpa.
Common.
1081. speciosa, Warder. Hardy Catalpa.
Undoubtedly indigenous along Black River where Let-
terman procured logs three feet in diameter.
Also found frequently in other localities, where
perhaps it has been planted.

PEDALIACEÆ.

1082. **Martynia** proboscidea, Glox. Unicorn Plant.
Common.

ACANTHACEÆ.

Acanthus Family.

1083. **Calophanes** oblongifolia, Don.
St. Louis, (Riehl).
1084. **Ruellia** ciliosa, Pursh.
Common.
1085. var. longiflora, Gray.
Jackson, (Bush), St. Louis, (Murtfeldt).
1086. strepens, Nees.
Common from Pike and Cass Southward.
1087. **Dianthera** Americana, L. Water Willow.
Common.

VERBENACEÆ.

Vervain Family.

1088. **Phryma** *Leptostachya*, L. Lopseed.
Common in rocky woods.
1089. **Verbena** *angustifolia*, Michx. Narrow-leaved Vervain.
Common on dry hills.
1090. *Aubletia*, L.
Common South and West.
1091. *bracteosa*, Michx.
Common along roadsides.
1092. *hastata*, L. Blue Vervain.
Common in waste places.
1093. *officinalis*, L. European Vervain.
Mississippi, (Galloway), Pike, (Pech).
1094. *stricta*, Vent. Hoary Vervain.
Common.
1095. *urticifolia*, L. White Vervain.
Common along roadsides.
1096. **Lippia** *lanceolata*, Michx. Fog-fruit.
Common.
1097. *nodiflora*, Michx.
St. Louis, (Riehl).
1098. **Callicarpa** *Americana*, L. French Mulberry.
Miller, (Winick).

LABIATÆ.

Mint Family.

1099. **Trichostema** *dichotomum*, L. Blue Curls.
St. Louis, (Riehl).
1100. **Isanthus** *cæruleus*, Michx. False Pennyroyal.
Common on barrens.
1101. **Teucrium** *Canadense*, L. Wood Sage.
Common everywhere.
1102. **Collinsonia** *Canadensis*, L. Horse Balm.
Iron and Wayne, (Letterman).
1103. **Mentha** *Canadensis*, L. Wild Mint.
Common on low grounds.

1104. var. *glabrata*, Benth.
Jackson, (Bush).
1105. *piperita*, L. Peppermint.
Common about gardens.
1106. *viridis*, L. Spearmint.
Jackson, (Bush), St. Louis, (Murtfeldt).
1107. **Lycopus** *rubellus*, Mœench. Water Horehound.
Greene, (Shepard).
1108. *sinuatus*, Ell.
Common.
1109. *Virginicus*, L.
Common on river bottom lands.
1110. **Cunila** *Mariana*, L. Dittany.
Common from Pike and Callaway South and West.
1111. **Pycnanthemum** *lanceolatum*, Pursh. Mountain Mint.
Greene, (Shepard), Pike, (Pech).
1112. *leptopodon*, Gray.
Greene, (Shepard).
1113. *linifolium*, Pursh.
Common.
1114. *muticum*, Pers. var. *pilosum*. Gray.
Greene, (Shepard), Jackson, (Bush).
1115. *Torreyi*, Benth.
Jackson, (Bush).
1116. **Calamintha** *glabella*, Benth. Calaminth.
Miller, (Winick).
1117. *Nuttallii*, Benth.
Greene, (Shepard).
1118. **Melissa** *officinalis*, L. Common Balm.
Common.
1119. **Hedeoma** *hispida*, Pursh. Mock Pennyroyal.
Common in dry, rocky places.
1120. *pulegioides*, Pers.
Common everywhere.
1121. **Salvia** *azurea*, Lam. Sage,
Cass, (Broadhead).
1122. var. *grandiflora*, Benth.
Jackson, (Bush), St. Louis, (Murtfeldt).
1123. *lanceolata*, Willd.
Common.
1124. *lyrata*, L. Lyre-leaved Sage.
Cass and St. Charles, (Broadhead), Iron and Wayne,
(Letterman), St. Louis, (Murtfeldt).

1125. **Monarda** Bradburiana. Beck. Horse-mint.
Common everywhere.
1126. fistulosa, L. Wild Bergamot.
Common everywhere.
1127. punctata, L. Horse-mint.
Greene, (Shepard), Mississippi, (Galloway), Pettis,
(McCluney).
1128. **Blephilia** ciliata, Raf. Common.
1129. hirsuta, Benth. Common in damp, open woods.
1130. **Lophanthus** nepetoides, Benth. Giant Hyssop.
Common along fences.
1131. scrophulariæfolius, Benth. Cass and Jackson, (Broadhead), Pettis, (McCluney).
1132. **Nepeta** Cataria, L. Catnip.
Common about old gardens.
1133. *Glechoma*, Benth. Ground Ivy.
Common in damp places.
1134. **Scutellaria** canescens, Nutt. Skullcap.
Common on hillsides.
1135. galericulata, L. Jackson, (Bush).
1136. lateriflora, L. Common.
1137. nervosa, Pursh. Pike, (Pech).
1138. parvula, Michx. Common everywhere.
1139. pilosa, Michx. Wright, (Bush).
1140. saxatilis, Riddell. Miller, (Winick).
1141. versicolor, Nutt. Common along river banks.
1142. **Brunella** vulgaris, L. Self-heal.
Common in pastures.
1143. **Physostegia** Virginiana, Benth. False Dragon-head.
Common.
1144. var. speciosa, Gray. Common Westward.

1145. **Marrubium** *vulgare*, L. Horehound,
Common about old gardens.
1146. **Leonurus** *Cardiaca*, L. Motherwort.
Boone, (Tracy), Jackson, (Bush), Pettis, (McCluney),
St. Louis, (Riehl).
1147. *Marrubiastrum*, L.
Pike, (Pech).
1148. **Lamium** *amplexicaule*, L. Dead Nettle.
Cass, (Broadhead).
1149. **Stachys** *aspera*, Michx. Hedge Nettle
Common.
1150. var. *glabra*, Gray.
Jackson, (Bush).
1151. *cordata*, Ridgell.
Jackson, (Bush).
1152. *hyssopifolia*, Michx.
"Missouri," (A. Wood)
1153. *palustris*, L.
Common.

PLANTAGINACEÆ.

Plantain Family.

1154. **Plantago** *cordata*, Lam. Plantain.
Not rare.
1155. *heterophylla*, Nutt.
Boone, (Tracy).
1156. *lanceolata*, L. Ribgrass.
Boone, (Tracy), Jackson, (Bush).
1157. *major*, L. Common Plantain.
About dooryards everywhere.
1158. *Patagonica*, Jacq.
Boone (Galloway), St. Louis, (Kellogg).
1159. var. *gnaphalioides*, Gray.
Clay and Jackson, (Bush).
1160. var. *aristata*, Gray.
Boone, (Tracy), Jackson,—rare—(Bush), Lewis (Ege-
ling), Pike, (Pech).
1161. *pusilla*, Nutt.
Common.

1162. *Rugellii*, Decaisne.
Franklin, Jefferson, and St. Louis, (Letterman), Greene,
(Shepard).
1163. *Virginica*, L.
Common.
1164. *var. longifolia*, Gray.
Jackson, (Bush), St. Louis, (Murtfeldt).

ARISTOLOCHIACEÆ.

Birthwort Family.

1165. **Asarum** *Canadense*, L. Wild Ginger.
Common in rich woods.
1166. **Aristolochia** *Serpentaria*, L. Virginia Snakeroot.
Boone (Galloway), Greene and Jackson, (Bush), St.
Louis, (Tracy).
1167. *Sipho*, L'Her. Dutchman's Pipe.
Mississippi, (Galloway).
1168. *tomentosa*, Sims.
Common Southward.

NYCTAGINACEÆ.

Four o'clock Family.

1169. **Oxybaphus** *albidus*, Sweet.
Jackson, (Bush).
1170. *angustifolius*, Sweet.
Common Westward.
1171. *hirsutus*, Sweet.
Jackson, (Bush).
1172. *nyctagineus*, Sweet.
Common.

PHYTOLACCACEÆ.

Poke Family.

1173. **Phytolacca** *decandra*, L. Poke-root.
Common in rich soil.

CHENOPODIACEÆ.

Goosefoot Family.

1174. **Cycloloma** platyphyllum, Moquin. Winged Pigweed.
Clay and Jackson, (Bush), Franklin and St. Louis
along Meramec River, (Letterman).
1175. **Chenopodium** album, L. Pigweed.
Common everywhere.
1176. var. viride, L.
Jackson, (Bush), Pike, (Pech).
1177. ambrosioides, L. Mexican Tea.
Common.
1178. var. anthelminticum, Gray. Wormseed.
Jackson, (Bush), St. Louis, (Riehl).
1179. Boscianum, Moq.
Jackson, (Bush).
1180. Botrys, L. Jerusalem Oak.
Along river bottoms.
1181. capitatum, Watson. Strawberry Blite.
Boone, (Tracy).
1182. hybridum, L. Maple-leaved Goosefoot.
Common.
1183. murale, L.
Jackson, (Bush).
1184. urbicum, L.
Common.

AMARANTACEÆ.

Amaranth Family.

1185. **Amarantus** albus, L. Pigweed.
Boone, (Tracy), Jackson, (Bush), St. Louis, (Murfeldt).
1186. Blitum, L.
Cass, (Broadhead).
1187. hybridus, L.
Common.
1188. hypochondriacus, L. Red Amaranth.
Boone, (Tracy), Pike, (Pech).

1189. *paniculatus*, L. Jackson, (Bush).
 1190. *retroflexus*, L. Jackson, (Bush).
 1191. *spinosus* L. Thorny Amaranth.
 Common everywhere.
 1192. **Aenida** *rusocarpa*, Gray. Water-leaf.
 Jackson, (Bush).
 1193. *tuberculata*, Gray.
 Jackson, (Bush).
 1194. **Iresine** *celosioides*, L.
 Butler, Jefferson and St. Louis, (Letterman).

POLYGONACEÆ.

Buckwheat Family.

1195. **Rumex** *Acetosella*, L. Sheep Sorrel.
 Common everywhere.
 1196. *Britannica*, L. Pale Dock.
 Greene, (Shepard), Jackson, (Bush), Pike, (Pech).
 1197. *conglomeratus*, Murr. Small Green Dock.
 Boone, (Galloway), Pike, (Pech).
 1198. *crispus*, L. Curled Dock.
 Common.
 1199. *Engelmanni*, Ledeb.
 "Missouri," (A. Wood).
 1200. *maritimus*, L. Golden Dock.
 Along Missouri river.
 1201. *obtusifolius*, L. Bitter Dock.
 Common.
 1202. *Salicifolius*, Weinm. White Dock.
 Jackson, (Bush).
 1203. *verticillatus*, L. Swamp Dock.
 St. Louis, (Kellogg).
 1204. **Polygonum** *acre*, H. B. K. Water Smartweed.
 Common.
 1205. *amphibium*, L. Water Persicaria.
 Cass, (Broadhead).
 1206. *arifolium*, L. Halberd-leaved Tear-thumb.
 Greene, (Shepard).
 1207. *aviculare*, L. Goose-grass.
 Common about door-yards.

1208. *Convolvulus*, L. Black Bindweed.
Common.
1209. *dumetorum*, L. Climbing False Buckwheat.
Common.
1210. *var. scandens*, Gray.
Jackson, (Bush).
1211. *erectum*, L.
Boone, (Tracy), Jackson, (Bush), Pike, (Pech).
1212. *Hydropiper*, L. Common Smartweed.
Common everywhere.
1213. *hydropiperoides*, Michx. Wild Water Pepper.
Common.
1214. *incarnatum*, Ell.
Boone, (Tracy), Jackson, (Bush), Pike, (Pech).
1215. *Muhlenbergii*, Watson.
Jackson, (Bush).
1216. *orientale*, L. Princes' Feather.
Escaped from gardens.
1217. *Pennsylvanicum*, L.
Common.
1218. *Persicaria*, L. Lady's Thumb.
Boone, (Tracy), Jackson, (Bush) St. Louis, (Murfelt).
1219. *ramosissimum*, Michx.
Common.
1220. *sagittatum*, L. Arrow-Leaved Tear-Thumb.
Pike, (Pech), St. Francois, (Galloway).
1221. *tenue*, Michx.
Greene, (Shepard).
1222. *Virginianum*, L.
Common.
1223. **Fagopyrum** *esculentum*, Moench. Buckwheat.
Occasionally escaped.

LAURACEÆ.

Laurel Family.

1224. **Sassafras** *officinale*, Nees. Sassafras.
Common, except Northwest. A tree cut by Galloway in Mississippi county, was 125 feet high to where the top had been broken off, and measured eighteen feet in circumference at seven feet above the ground.

1225. **Lindera** Benzoin, Meisner. Spice Bush.
Common.
1226. **melissæfolia**, Blume.
Greene, (Shepard).

THYMELEACEÆ.

Mezereum Family.

1227. **Dircapa** lustris, L. Leatherwood.
Common Eastward.

ELÆAGNACEÆ.

Oleaster Family.

1228. **Shepherdia** argentea, Nutt. Buffalo Berry.
"Missouri," (A. Wood).

SANTALACEÆ.

Sandalwood Family.

1229. **Comandra** umbellata, Nutt. Bastard Toad-flax.
Common.

LORANTHACEÆ.

Mistletoe Family.

1230. **Phoradendron** flavescens, Nutt. American Mistletoe.
Common in extreme Southeast.

SAURURACEÆ.

Lizzard's-Tail Family.

1231. **Saururus** cernuus, L. Lizzard's Tail.
Common.

CERATOPHYLLACEÆ.

Hornwort Family.

1232. **Ceratophyllum** demersum, L. Hornwort.
 Jackson, (Bush), Pike, (Pech).

CALLITRICHACEÆ.

Water Starwort Family.

1233. **Callitriche** Austini, Engelm. Water Starwort.
 "Missouri," (Gray's Manual, 5th Ed).
 1234. heterophylla, Pursh.
 Greene, (Shepard).
 1235. verna, L.
 Jackson, (Bush), Pike, (Pech).

EUPHORBIACEÆ.

Spurge Family.

1236. **Euphorbia** commutata, Engelm.
 Franklin, Jefferson & St. Louis, (Letterman).
 1237. corollata, L.
 Common.
 1238. dentata, Michx.
 Common.
 1239. dictyosperma, F. & M.
 Clay & Jackson, (Bush).
 1240. discoidalis, Chapm.
 Franklin, Jefferson & St. Louis, (Letterman).
 1241. Geyeri, Engelm,
 Jackson, (Bush).
 1242. heterophylla, L.
 Boone, (Tracy), Jackson, (Bush), Pike, (Pech).
 1243. humistrata, Engelm.
 Common.
 1244. hypericifolia, L.
 Common.
 1245. maculata.
 Common.

1246. *marginata*, Pursh.
Introduced from the West.
1247. *obtusata*, Pursh.
Pike, (Pech).
1248. *petaloidea*, Engelm.
Cass, (Broadhead).
1249. *serpens*, M. B. K.
Common.
1250. *serpyllifolia*, Pers.
Miller, (Winick).
1251. **Croton** *capitatus*, Michx.
Common.
1252. *glandulosus*, L.
Franklin, Jefferson & St. Louis, (Letterman), Greene,
(Shepard).
1253. *monanthogynus*, Michx.
Common.
1254. *Texensis*, Mull.
Jackson, (Bush),
1255. **Acalypha** *Virginica*, L. Three-seeded Mercury.
Common.
1256. *var. gracilens*, Gray.
Jackson, (Bush).
1257. *Caroliniana*, Walt.
Greene, (Shepard), Pike, (Pech).
1258. **Ricinus** *communis*, L. Castor Bean.
Occasionally persistent about gardens.
1259. **Sebastiana** *ligustrina*, Mull.
St. Louis, (Geyer).
1260. **Tragia** *macrocarpa*, Willd.
Henry, (Bush).
1261. *urticæfolia*, Michx.
Greene, (Shepard), Miller, (Winick).
1262. **Crotonopsis** *linearis*, Michx.
Franklin, Jefferson and St. Louis, (Letterman).

URTICACEÆ.

Nettle Family.

1263. **Ulmus** *alata*, Michx. Winged Elm.
Common from Callaway and Cole Southeast.

1264. *Americana*, L. White Elm.
Common everywhere.
1265. *fulva*, Michx. Slippery Elm.
Common.
1266. *racemosa*, Thomas. Corky White Elm.
Boone, (Tracy), Jackson, (Bush).
1267. ***Celtis occidentalis***, L. Hackberry.
Common.
1268. ***Morus rubra***, L. Red Mulberry.
Common.
1269. *alba*, L. Occasionally escaped.
1270. ***Maclura aurantiaca***.
Newton, (Swallow), Spring river, (Tracy).
1271. ***Urtica dioica***, L. Stinging Nettle.
Common.
1272. *gracilis*, Ait. Common on moist ground.
1273. ***Laportea Canadensis***, Gaudich. Wood Nettle.
Common.
1274. ***Pilea pumila***, Gray. Clearweed.
Common in shady places.
1275. ***Boehmeria cylindrica***, Willd. False Nettle.
Boone, (Tracy), Jackson, (Bush), Pike, (Pech).
1276. ***Parietaria Pennsylvanica***, Muhl. Pellitory.
Common on rocky banks.
1277. ***Cannabis sativa***, L. Hemp.
Common.
1278. ***Humulus Lupulus***, L. Hops.
Common.

PLATANACEÆ.

Sycamore Family.

1279. ***Platanus occidentalis***, L. Sycamore.
Common along streams.

JUGLANDACEÆ.

Walnut Family.

1280. ***Juglans cinerea***, L. Butternut.
Common except West and Northwest.

- | | | |
|-------|--|---------------------------|
| 1281. | <i>nigra</i> , L. | Black Walnut. |
| | Common. | |
| 1282. | Carya <i>alba</i> , Nutt. | Shell-bark Hickory. |
| | Common. | |
| 1283. | <i>amara</i> , Nutt. | Bitter-nut Hickory. |
| | Common. | |
| 1284. | <i>aquatica</i> , Nutt. | |
| | Butler and common in low lands Southeast, (Letterman). | |
| 1285. | <i>olivæformis</i> , Nutt. | Pecan. |
| | Common along rivers except in Northwest. | |
| 1286. | <i>porcina</i> , Nutt. | Pig-nut Hickory. |
| | Common. | |
| 1287. | <i>sulcata</i> , Nutt. | Large Shell-bark Hickory. |
| | Common along streams. | |
| 1288. | <i>tomentosa</i> , Nutt. | Mockernut. |
| | Common except West and Northwest. | |
| —? | From four localities in the State I have received nuts which are apparently from a hybrid of <i>C. alba</i> and <i>C. olivæformis</i> . They are certainly different from any recognized species, but more study is necessary to determine their true relationship. (Tracy). | |

CUPULIFERÆ.

Oak Family.

- | | | |
|-------|--|--------------------|
| 1289. | Quercus <i>alba</i> , L. | White Oak. |
| | Common except West of the Nodaway River. | |
| 1290. | <i>aquatica</i> , Catesby. | Water Oak. |
| | Common Southeast. | |
| 1291. | <i>bicolor</i> , Willd. | Swamp White Oak. |
| | Common except in extreme Northwest. | |
| 1292. | <i>Catesbæi</i> , Michx. | |
| | "Missouri," (Engelmann). | |
| 1293. | <i>cinerea</i> , Michx. | Upland Willow Oak. |
| | (Swallow in Geol. Survey Rep.) | |
| 1294. | <i>coccinea</i> , Wang. | Scarlet Oak. |
| | Common. | |
| 1295. | <i>falcata</i> , Michx. | Spanish Oak. |
| | Common Southward. | |

1296. heterophylla, Michx. Bartram Oak.
Cooper, DeKalb, Shelby and Sullivan, (Broadhead),
Pettis, (Swallow).
1297. imbricaria, Michx. Laurel Oak.
Boone, (Tracy), Miller, (Swallow), St. Louis to Butler,
(Letterman).
1298. Leana, Nutt. Lea's Oak.
Butler, St. Louis and Washington, rare, (Letterman).
Pettis, (Swallow.)
1299. lyrata, Walt.
Common in Butler and swamps of S. E. Mo. Six
trees found near Allenton in 1883, the first time
observed so far North, (Letterman).
1300. macrocarpa, Michx. Bur Oak.
Low lands South and on high lands North.
1301. Michauxii, Nutt. Cow Oak.
Butler and swamps of Southeast, (Letterman).
1302. Muhlenbergii, Engelm. Chestnut Oak.
Common.
1303. nigra, L. Black-jack Oak.
Common.
1304. obtusiloba, Michx. Post Oak.
Not West of Liberty and Maryville. Common else-
where. (Broadhead).
1305. palustris, Du Roi. Pin Oak.
Common except Northwest.
1306. Phellos, L. Willow Oak.
Common Southeast.
1307. prinoides, Willd. Common Northwest.
1308. rubra, L. Red Oak.
Common.
1309. var. runcinata, Engelm.
Miller, (Swallow), St. Louis, (Engelmann).
1310. tinctoria, Bart. Black Oak.
Common.
1311. tridentata, Engelm.
St. Louis, (Engelmann).
1312. quinqueloba, Engelm.
St. Louis, (Engelmann).
1313. **Castanea** pumila, Michx. Chinquapin.
Barry, Cedar and Jasper, (Broadhead).

1314. *vulgaris*, var. *Americana*, Walt. Chestnut.
 Swallow reports one large tree in New Madrid.
 1315. **Fagus** *ferruginea*, Ait. Beech.
 In Southeast only.

CORYLACEÆ.

Hazel Family.

1316. **Ostrya** *Virginica*, Willd. Hop Tree.
 Common.
 1317. **Carpinus** *Caroliniana*, Walt.
 Common except Northwest.
 1318. **Corylus** *Americana*, Walt. Hazel Nut.
 Common.

BETULACEÆ.

Birch Family.

1319. **Betula** *alba*, var. *populifolia*, Sp. White Birch.
 Common along streams.
 1320. *nigra*, L. Red Birch.
 Common except Westward.
 1321. **Alnus** *incana*, Willd. Speckled Alder.
 Mississippi, (Galloway).
 1322. *serrulata*, Ait. Smooth Alder.
 Common except Northwest.

SALICACEÆ.

Willow Family.

1323. **Salix** *alba*, L. White Willow.
 Introduced.
 1324. var. *vitellina*, Gray. Golden Willow.
 Introduced.
 1325. *amygdaloides*, And.
 Jackson, (Bush).
 1326. *candida*, Willd. Hoary Willow.
 Iron, (Broadhead.)

1327. cordata, Muhl. Heart-leaved Willow.
(Watson in King's 5th Report).
1328. var. rigida, Muhl.
St. Louis, (Geyer).
1329. var. angustata, And.
Putnam, (Swallow).
1330. discolor, Muhl. Glauous Willow.
Greene, (Shepard), Southern Mo., (Sargent).
1331. humilis, Marsh. Prairie Willow.
Boone, (Tracy), Greene, (Shepard), Jackson, (Bush),
St. Louis, (Geyer).
1332. longifolia, Muhl. Long-leaved Willow.
Boone, (Tracy), Jackson, (Bush), Putnam, (Swallow).
1333. lucida, Muhl. Shining Willow.
Jackson, (Bush).
1334. nigra, Marsh. Black Willow.
Common.
1335. petiolaris, Smith. Petioled Willow.
Jackson, (Bush).
1336. sericea, Marsh. Silky Willow.
Jackson, (Bush), St. Louis, (Murtfeldt).
1337. tristis, Ait. Dwarf Gray Willow.
Pike, (Pech).
1338. **Populus alba**, L. Silver Poplar.
Introduced.
1339. angulata, Ait. Angled Cottonwood.
Jackson, (Bush).
1340. balsamifera, L. Balsam Poplar.
Boone, (Galloway).
1341. grandidentata, Michx. Large-toothed Aspen.
Boone, (Tracy), Wright, (Bush).
1342. heterophylla, L. Downy Poplar.
Common Southeast.
1343. monilifera, Ait. Cottonwood.
Common, especially Northwest.
1344. tremuloides, Michx. American Aspen.
Common Northward.

CONIFERÆ.

Pine Family.

1345. **Juniperus communis**, L. Juniper.
Greene, (Shepard).

1346. *Virginiana*, L. Red Cedar.
Common on hilly woodlands.
1347. ***Pinus*** *mitis*, Michx. Yellow Pine.
Letterman reports this from nineteen counties in the
Ozark region.
1348. ***Taxodium*** *distichum*, Richard. Cypress.
Common in the swamps of the Southeast.

ARACEÆ.

Arum Family.

1349. ***Arisæma*** *Dracontium*, Schott. Dragon Root.
Boone and St. Louis, (Tracy), Jackson, (Bush).
1350. *triphyllum*, Torr. Indian Turnip.
Common.
1351. ***Orontium*** *aquaticum*, L. Golden Club.
Boone, (Tracy).
1352. ***Acorus*** *Calamus*, L. Sweet Flag.
Common.

LEMNACEÆ.

Duckweed Family.

1353. ***Lemna*** *gibba*, L. Pike, (Pech).
1354. *paucicostata*, Hegel.
Jackson, (Bush), St. Louis, (Gray).
1355. *Torreyi*, Austin. *
(Gray's Manual, 5th Ed).
1356. ***Speiroadela*** *polyrrhiza*, Schleid.
Cass, (Broadhead), Jackson, (Bush), Pike, (Pech).

TYPHACEÆ.

Cat-tail Family.

1357. ***Sparganium*** *eurycarpum*, Engelm. Bur-reed.
Common.

1358. var. *androcladum*, Gray.
Greene, (Shepard).
1359. var. *Nuttallii*, Gray.
Cass, (Broadhead).
1360. **Typha** *angustifolia*, L. Narrow-leaved Flag.
The most common species Westward.
1361. *latifolia*, L. Common Cat-tail Flag.
Common elsewhere, but rare Westward.

NAIADACEÆ.

1362. **Naias** *indica*, var. *grabillima*, Braun.
"Missouri," (Engelmann).
1363. **Zannichella** *palustris*, L.
Pike, (Pech).
1364. **Potamogeton** *hybridus*, Michx. Pond Weed.
Boone. (Tracy), Jackson, (Bush), Perry, (Demetrio).
1365. var. *spicatus*, Engelm.
St. Louis, (Geyer).
1366. *natans*, L.
Common.
1367. *pulcher*, Tuck.
St. Louis, (Engelmann).
1368. *pusillus*, L.
Jackson, (Bush), Perry, (Demetrio).
1369. *Spirillus*, Tuck.
Boone, (Tracy).

ALISMACEÆ.

Water Plantain Family.

1370. **Alisma** *Plantago*, L., var. *Americanum*, Gr. Water-Plantain.
Common.
1371. **Echinodorus** *parvulus*, Engelm.
"Missouri," (A. Wood).
1372. *radicans*, Engelm.
Pike, (Pech).
1373. *rostratus*, Engelm.
Jackson, (Bush).
1374. **Sagittaria** *calycina*, Engelm. Arrowhead.
Greene, (Shepard).

1389. *gracilis*, Big.
Boone, (Galloway), Jackson and Wright, (Bush).
1390. *graminea*, Lindl., var. *Walteri*. Gray.
Not rare Southward.
1391. **Pogonia** *pendula*, Lindl.
Clay, (Mann), Jackson, (Bush), Pike, (Pech).
1392. **Calopogon** *pulchellus*, Nutt.
Greene, (Shepard).
1393. **Bletia** *aphylla*, Nutt.
St. Louis, near Allenton, rare, (Letterman).
1394. **Microstylis** *ophioglossoides*, Nutt. Adder's Mouth.
Pike, (Pech).
1395. **Liparis** *liliifolia*, Richard. Twayblade.
Greene, (Shepard), Marion, (Swallow), Miller, (Winick),
Pike, (Pech).
1396. **Corallorhiza** *multiflora*, Nutt. Coral-root.
St. Louis, (Letterman).
1397. *odontorhiza*, Nutt.
Pike, (Pech), St. Louis, (Kellogg).
1398. *striata*, Lindl.
Perry, (Demetrio).
1399. **Applectrum** *hyemale*, Nutt. Putty-root.
Boone, (Tracy), Jackson, (Bush), Jefferson and St. Louis,
(Letterman). Rare.
1400. **Cypripedium** *candidum*, Muhl. White Lady's Slipper.
Common.
1401. *parviflorum*, Salisb. Small Yellow Lady's Slipper.
Common.
1402. *pubescens*, Willd. Large Yellow Lady's Slipper.
Common.
1403. *spectabile*, Swartz. Showy Lady's Slipper.
Cass, Linn and Mercer, (Broadhead), Putnam, (Swallow).

AMARYLLIDACEÆ.

Amaryllis Family.

1404. *Hymenocallis maritimum*.
Butler, (Letterman).
1405. **Agave** *virginica*, L. False Aloe.
Madison, (Broadhead), Wright, (Bush).

1406. **Hypoxys** erecta, L. Star Grass.
Common everywhere.

IRIDACEÆ.

Iris Family.

1407. **Iris** cuprea, Pursh. Yellow Iris.
Jackson, (Frye).
1408. versicolor, L. Large Blue Flag.
Common.
1409. Virginica, L. Slender Blue Flag.
St. Louis, (Letterman).
1410. **Pardanthus** Chinensis, Ker. Blackberry Lily.
Common about old gardens.
1411. **Sisyrinchium** anceps, L. Blue-eyed Grass.
Common everywhere.
1412. **Nemastylis** gemmiflora.
"Missouri," (T. Gardner).

DIOSCOREACEÆ.

Yam Family.

1413. **Dioscorea** villosa, L. Wild Yam.
Common.

SMILACEÆ.

Smilax Family.

1414. **Smilax** glauca, Walt. Greenbrier.
"Missouri," (Swallow).
1415. herbacea L. Carrion Flower.
Common.
1416. var lasioneuron, Hook.
Montgomery, (Broadhead).
1417. var. pulverulenta, Gray.
Jackson, (Bush).
1418. hispida, Muhl.
Boone, (Tracy), Callaway, (Broadhead), Greene,
(Shepard), Fike, (Pech).

1419. *Pseudo-China*, L.
Boone, (Galloway,) Pemiscot, (Swallow).
1420. *rotundifolia*, L.
Common.
1421. *tamnifolia*, Michx.
"Missouri," (Swallow).
1422. *tamnoides*, L.
Mississippi, (Galloway).

LILIACEÆ.

Lily Family.

1423. ***Alhum*** *Canadense*, Kalm. Wild Garlic.
Common.
1424. *cernuum*, Roth. Wild Onion.
Common.
1425. *mutabile*, Michx.
Jackson, (Bush).
1426. *stellatum*, Nutt.
Greene and Jackson, (Bush).
1427. ***Northoscordum*** *striatum*, Kunth.
Common.
1428. ***Muscari*** *botryoides* Mill. Grape Hyacinth.
Escaped from gardens.
1429. ***Camassia*** *Fraseri*, Torr. Squill.
Common.
1430. ***Polygonatum*** *biflorum*, Ell. Small Solomon's Seal.
Common.
1431. *giganteum*, Dietrich. Great Solomon's Seal.
Common.
1432. *latifolium*, Desf.
Pike, (Pech).
1433. ***Asparagus*** *officinalis*, L. Asparagus.
Escaped from gardens.
1434. ***Smilacina*** *racemosa*, Desf. False Spikenard.
Common.
1435. *stellata*, Desf. False Solomon's Seal.
Pike, (Pech), St. Louis, (Tracy).
1436. ***Yucca*** *angustifolia*, Pursh. Bear Grass.
Atchison, (Broadhead).

1437. **Lilium** Canadense, L. Wild Yellow Lily.
Cass and Iron, (Broadhead), Pike, (Pech).
1438. Catesbæi, Walt. Southern Red Lily.
Clark, (Broadhead).
1439. Philadelphicum, L. Wild Orange-red Lily.
Common.
1440. superbum, L. Turks-cap Lily.
Jackson, (Bush), St. Louis, (Murtfeldt).
1441. var. Carolinianum, Chapm.
Jackson, (Bush).
1442. **Erythronium** albidum, Nutt. White Dog-tooth Violet.
Common.
1443. Americanum, Smith. Yellow Adder's Tongue.
Knox, (Linn), Pettis, (McCluney).
1444. **Ornithogalum** umbellatum, L. Star-of-Bethlehem.
About old gardens.
1445. **Uvularia** grandiflora, Smith. Bellwort.
Boone & St. Louis, (Tracy), Jackson, (Bush).
1446. perfoliata, L.
Common in rich woods.
1447. **Trillium** cernuum, L. Nodding Trillium.
St. Charles, (Broadhead).
1448. erythrocarpum, Michx. Painted Trillium.
Pike, (Pech).
1449. erectum, L. Purple Trillium.
Boone, (Galloway), St. Charles and St. Louis, (Broadhead).
1450. grandiflorum, Salisb. Large White Trillium.
St. Louis, (Kellogg).
1451. recurvatum, Beck.
St. Charles, (Broadhead).
1452. sessile, L.
Common.
1453. **Melanthium** Virginicum, L. Bunch-flower.
Common.
1454. **Veratrum** viride, Ait. Indian Poke.
Boone, (Tracy).
1455. Woodii, Robbins.
Pike, (Pech in 1842). Abundant along the Meramec in Jefferson county, "now the only known locality," (Letterman).

1456. *parviflorum*, Michx.
 Marion (Swallow), Pike, (Broadhead).
 1457. **Zygadenus** *glaberrimus*, Michx.
 St. Louis, (Murtfeldt).
 1458. **Tofieldia** *glabra*, Nutt. False Asphodel.
 Miller, (Winick).

JUNCACEÆ.

Rush Family.

1459. **Luzula** *campestris*, DC.
 Boone, (Tracy).
 1460. **Juncus** *acuminatus*, Mich. Rush.
 St. Louis, (Murtfeldt).
 1461. *var. debilis*, Engelm.
 Jackson, (Bush).
 1462. *var. robustus*, Engelm.
 "Missouri," (Engelmann).
 1463. *var. legitimus*, Engelm.
 Jackson, (Bush).
 1464. *brachycarpus*, Engelm.
 Vernon, (Broadhead).
 1465. *marginatus*, Rostk.
 Miller, (Winick), Vernon, (Broadhead).
 1466. *nodosus*, L.
 Common.
 1467. *var. megacephalus*, Torr.
 Jackson, (Bush).
 1468. *scirpoides*, Lam.
 Pike, (Pech).
 1469. *var. polycephalus*, Engelm.
 St. Louis, (Riehl).
 1470. *setaceus*, Rostk.
 Pike, (Broadhead).
 1471. *tenuis*, Willd.
 Common.

PONTEDERIACEÆ.

Pickereel-weed Family.

1472. **Pontederia** *cordata*, L. Pickereel Weed.
 Common.

1473. **Heteranthera** graminea. Water Star-grass.
 Maries, (Broadhead), Pike, (Pech).
 1474. limosa, Vahl. Mud Plaintain.
 Jackson, (Bush).

COMMELYNACEÆ.

Spiderwort Family.

1475. **Commelyna** Virginica, L. Day Flower.
 Common.
 1476. hirtella, Vahl.
 Mississippi, (Galloway).
 1477. Cayennensis, Richard.
 Mississippi, (Galloway).
 1478. **Tradescantia** rosea, Vent. Spiderwort.
 Boone, (Tracy), Greene, Ralls and Texas, (Broadhead).
 1479. Virginica, L. Common Spiderwort.
 Common.
 1480. var. flexuosa, Watson.
 Common.

XYRIDACEÆ.

Yellow-eyed Grass Family.

1481. **Xyris** flexuosa, Muhl.
 Common.

CYPERACEÆ.

Sedge Family.

1482. **Cyperus** acuminatus, Torr.
 Cass, (Broadhead), Jackson, (Bush).
 1483. compressus, L.
 Jackson, (Bush).
 1484. dentatus, Torr.
 Pike, (Pech).
 1485. diandrus, Torr.
 Boone, (Tracy), Callaway, (Broadhead), Jackson,
 (Bush), Pike, (Pech).
 1486. Engelmanni, Steud.
 Jackson, (Bush).

1487. *erythrorhizos*, Muhl.
Jackson, (Bush), St. Louis, (Riehl).
1488. *fliculmis*, Vahl.
Jackson, (Bush), Pike, (Pech).
1489. *flavescens*, L.
St. Louis, (Riehl).
1490. *inflexus*, Muhl.
Jackson, (Bush), Pike, (Pech), St. Louis, (Riehl).
1491. *Michauxianus*, Schult.
Jackson, (Bush).
1492. *ovularis*, Torr.
St. Louis, (Murtfeldt), Vernon, (Broadhead).
1493. *phymatodes*, Muhl.
Common.
1494. *rotundus*, L., var. *Hydra*, Gray.
St. Louis, (Riehl).
1495. *Schweinitzii*, Torr.
Jackson, (Bush), St. Louis, (Letterman).
1496. *strigosus*, L.
Boone, (Tracy), Jackson, (Bush), Vernon, (Broadhead).
1497. *tetragonus*, Ell.
St. Louis, (Riehl).
1498. **Kyllingia** *pumila*, Michx.
Jackson, (Bush), Pike, (Peck), St. Louis, (Letterman).
1499. **Dulichium** *spathaceum*, Pers.
Cass, (Broadhead), Franklin, Jefferson and St. Louis,
(Letterman).
1500. **Hemicarpha** *subsquarrosa*, Nees.
Jackson (Bush).
1501. **Eleocharis** *acicularis*, R. Br. Spike-Rush.
Jackson, (Bush).
1502. *compressa*, Sulliv.
Jackson, (Bush), Pike, (Pech).
1503. *intermedia*, Schultes.
Jackson, (Bush).
1504. *obtusa*, Schultes.
Common.
1505. *palustris*, R. Br.
Jackson, (Bush), Pike, (Pech).
1506. *tenuis*, Schultes.
Jackson, (Bush), St. Louis, (Geyer).

1057. **Scirpus atrovirens**, Muhl. Bulrush.
 Jackson, (Bush), Pike, (Pech), St. Louis, (Riehl).
1508. *fluviatilis*, Gray.
 Bates and Jackson, (Bush).
1509. *lineatus*, Michx.
 Common Eastward.
1510. *polyphyllus*, Vahl.
 Pike, (Pech), Vernon, (Broadhead).
1511. *pungens*, Vahl.
 Boone, (Tracy), Jackson, (Bush).
1512. *sylvaticus*, L.
 Pike, (Pech).
1513. *supinus* L. var. *Hallii*, Gray.
 St. Louis, (Engelmann).
1514. *Torreyi*, Olney.
 Jackson, (Bush).
1515. *validus*, Vahl.
 Jackson, (Bush), Pike, (Pech).
1516. **Eriophorum gracile**, Koch. Cotton Grass.
 Pike, (Pech).
1517. **Fimbristylis autumnalis**, R. & S.
 Common.
1518. *capillaris*, Gray.
 Common Eastward.
1519. *spadicea*, Vahl, var. *castanea*, Gray.
 Jackson, (Bush).
1520. **Rhynchospora corniculata**, Gray. Beak Rush.
 Butler, (Letterman).
1521. **Scleria triglomerata**, Michx. Nut Rush.
 Jackson, (Bush).
1522. **Carex aperta**, Boott. Sedge.
 Jackson, (Bush).
1523. *acutiformis*, Ehrh.
 Jackson, (Bush).
1524. *arida*, Schw. & Torr.
 Pike, (Pech).
1525. *aristata*, R. Br.
 Pike, (Pech).
1526. *bromoides*, Schk.
 Pike, (Pech).
1527. *crus-corvi*, Shutt.
 Bates, (Bush).

1528. conjuncta, Boot.
 Jackson, (Bush).
1529. Cherokeensis, Schw.
 Missouri, (A. Wood).
1530. cristata, Schw.
 Pike, (Pech), St. Louis, (Geyer).
1531. conoida, Schk.
 Pike, (Pech).
1532. cephalaphora, Muhl.
 Jackson, (Bush), Pike, (Pech).
1533. Davisii, Schw. & Torr.
 Jackson, (Bush), Pike, (Pech).
1534. echinata, Murr.
 Jackson, (Bush).
1535. eburnea, Boot.
 Pike, (Pech).
1536. filiformis, L.
 Pike, (Pech).
1537. grisea, Wahl.
 Jackson, (Bush).
1538. granularis, Muhl.
 Jackson, (Bush).
1539. Hitchcockiana, Dew.
 Jackson, (Bush).
1540. hystericina, Willd.
 St. Louis, (Riehl).
1541. intumescens, Rudge.
 Pike, (Pech).
1542. lagopodioides, Schk.
 Jackson, (Bush).
1543. lupulina, Muhl.
 Jackson, (Bush), Pike, (Pech).
1544. laxiflora, Lam.
 Jackson, (Bush), St. Louis, (Riehl).
1545. var. blanda, Boot.
 Jackson, (Bush), Pike, (Pech).
1546. var. intermedia, Boot.
 Jackson, (Bush).
1547. var. latifolia, Boot.
 Jackson (Bush).
1548. Meadii, Dew.
 Jackson, (Bush), St. Louis, (Geyer).

1549. Muhlenbergii, Schk.
Jackson, (Bush), Pike, (Pech).
1550. monile, Tuck.
Jackson, (Bush).
1551. Novæ-Angliæ, Schw.
Pike, (Pech).
1552. oligocarpa, Schk.
Jackson, (Bush), St. Louis, (Riehl).
1553. pubescens, Muhl.
Jackson, (Bush), St. Louis, (Riehl).
1554. Pennsylvanica, Lam.
Jackson, (Bush).
1555. riparia, Curtis,
Jackson, (Bush).
1556. Richardsonii, R. Br.
Jackson, (Bush).
1557. retroflexa, Muhl.
Jackson, (Bush).
1558. rosea, Schk.
Common.
1559. var. minor, Boot.
Jackson, (Bush).
1560. var. radiata, Dew.
Jackson, (Bush), Pike, (Pech).
1561. stenolepis, Torr.
Jackson, (Bush).
1562. Steudelii, Kunth.
Jackson, (Bush).
1563. sparganoides, Muhl.
Jackson, (Bush).
1564. var. minor, Boot.
Jackson, (Bush).
1565. squarrosa, L.
Common.
1566. Shortiana, Dew.
Jackson, (Bush), St. Louis, (Geyer).
1567. straminea, Schek.
Cass, (Broadhead), Jackson, (Bush).
1568. siccata, Dew.
Pike, (Pech).
1569. stipata, Muhl.
Common.

1588. *amarum*, Ell.
Cass, (Broadhead), Jackson, (Bush).
1589. *antumnale*, Bosc.
Boone and Mississippi, (Galloway).
1590. *capillare*, L. Old-witch Grass.
Common everywhere.
1591. *clandestinum*, L. Common.
1592. *crusgalli*, L. Barn-yard Grass.
Common everywhere.
1593. *var. hispidum*, Gray.
Common everywhere.
1594. *depauperatum*, Muhl.
Common.
1595. *dichotomum*, L.
Common everywhere.
1596. *glabrum*, Gaud.
Boone, (Galloway), Jackson, (Bush).
1597. *latifolium*, Muhl.
Common from Boone Southeast.
1598. *microcarpum*, Muhl.
Jackson, (Bush), Jefferson, (Tracy), Mississippi, (Galloway).
1599. *var. sphærocarpon*, Vasey.
Jackson, (Bush).
1600. *proliferum*, Lam.
Common.
1601. *sanguinale*, L. Crab Grass.
Common.
1602. *scoparium*, Lam.
Mississippi, (Galloway).
1603. *virgatum*, L. Switch Grass.
Common along streams.
1604. *viscidum*, Ell.
Jackson, (Bush).
1605. ***Setaria glauca***, Beauv. Foxtail.
Common.
1606. *Italica*, Kunth. Millet.
Common in cultivation, occasionally escaped.
1607. *verticillata*, Beauv. Brown Foxtail.
Common.
1608. *viridis*, Beauv. Green Foxtail.
Common.

1609. **Cenchrus** tribuloides, L. Sand-bur Grass.
Common Northwest.
1610. **Spartina** cynosuroides, Willd. Cord Grass.
Common in damp soils.
1611. **Coix** lachryma, L. Job's Tears.
Cultivated and occasionally persistent.
1612. **Tripsacum** dactyloides, L. Gama Grass.
Cass, (Broadhead), Jackson, (Bush), St. Louis, (Galloway).
1613. **Zizania** aquatica, L. Wild Rice.
Common in swampy lands.
1614. **Leersia** lenticularis, Michx. Fly-catch Grass.
Boone and Mississippi, (Galloway).
1615. oryzoides, Swz. False Rice.
Common.
1616. Virginica, Willd. Cut Grass.
Common.
1617. **Erianthus** saccharoides, Michx. Occasionally in swampy lands Southeast.
1618. **Andropogon** dissitiflorus, Michx. Blue-joint Grass.
Common.
1619. macrourus, Michx. Madison, (Broadhead).
1620. provincialis, Lam. Common.
1621. scoparius, Michx. Common.
1622. **Chrysopogon** nutans, Benth. Wild Sorghum.
Common.
1623. **Sorghum** halepense, L. Guinea Grass, or Johnson Grass.
Introduced and sparingly naturalized.
1624. **Phalaris** aruudinacea, L. Reed Canary Grass.
Common.
1625. Canariensis, L. Occasional about dwellings.
1626. **Anthoxanthum** odoratum, L. Sweet Vernal Grass.
Common in door-yards.
1627. **Alopecurus** geniculatus, L. Water Fox-tail.
Common in cultivated ground.
1628. var. aristulatus, Munro. Jackson (Bush).

- 1649, **Phleum** pratense, L. Timothy.
Common in cultivation, and occasionally naturalized.
1650. **Sporobolus** asper, Kunth.
Jackson, (Bush).
1651. cryptandrus, Gray.
Boone, (Galloway), Jackson, (Bush).
1652. heterolepis, Gray.
Common on prairies.
1653. vaginæflorus, Torr.
Common southward.
1654. **Agrostis** elata, Trin. Bent Grass.
Boone, (Galloway), Schuyler, (Tracy).
1655. perennans, Tuck. Twin Grass.
Common.
1656. scabra, Willd. Hair Grass.
Common.
1657. vulgaris, Michx. Red Top.
Common on damp soil.
1658. var. alba, Vasey.
Common.
1659. **Cinna** arundinacea, L. Wood Reed-Grass.
Common.
1660. **Deyeuxia** Canadensis, Beauv. Blue Stem.
Jackson, (Bush), St. Louis, (Galloway).
1661. confinis, Kunth.
Jackson, (Bush), St. Louis, (Galloway).
1662. **Ammophila** longifolia, Benth.
Lafayette, (Galloway).
1663. **Deschampsia** cæspitosa, Beauv.
St. Louis, (Galloway).
1664. flexuosa, Trin.
St. Louis, (Murtfeldt).
1665. **Holcus** lanatus, L.
St. Louis, (Galloway).
1666. **Danthonia** spicata, Beauv.
Common.
1667. **Cynodon** dactylon, Pers.
St. Louis, (Galloway).
1668. **Schedonnardus** Texanus, Steud.
Mississippi, (Galloway).
1669. **Bouteloua** hirsuta, Lag.
Saline, (Galloway).

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| 1670. | <i>racemosa</i> , Lag. | |
| | Boone, (Galloway), Jackson, (Bush). | |
| 1671. | Eleusine Indica , Gaert. | Yard Grass. |
| | Common. | |
| 1672. | Leptochloa mucronata , Kunth. | |
| | Jackson, (Bush). | |
| 1673. | Triodia sesleroides , Torr. | |
| | Common. | |
| 1674. | Arundo Donax . | |
| | About old gardens. | |
| 1675. | Phragmites communis , Trin. | Reed Grass. |
| | Common Southward in wet places. | |
| 1676. | Koeleria cristata , Pers. | |
| | Common. | |
| 1677. | Eatonia obtusata , Gray. | |
| | Common. | |
| 1678. | <i>Pennsylvanica</i> , Gray. | |
| | Common. | |
| 1679. | Eragrostis capillaris , L. | |
| | Common. | |
| 1680. | <i>Frankii</i> , Meyer. | |
| | Common. | |
| 1681. | <i>major</i> , Host. | |
| | Common. | |
| 1682. | <i>minor</i> Host. | |
| | Common. | |
| 1683. | <i>pectinacea</i> , Gray. | |
| | Common. | |
| 1684. | <i>var. spectabilis</i> , Gray. | |
| | Boone, (Galloway), Jackson, (Bush). | |
| 1685. | <i>pilosa</i> , L. | |
| | Common. | |
| 1686. | <i>Purshii</i> , Schrad. | |
| | Common. | |
| 1687. | <i>reptans</i> , Nees. | |
| | Boone, (Galloway). | |
| 1688. | <i>tenuis</i> , Gray. | |
| | Boone, (Galloway), Jackson, (Bush). | |
| 1689. | Melica mutica , Walt. | Melic Grass. |
| | Common Northward. | |
| 1690. | Diahrhena Americana , Beauv. | |
| | Boone and St. Francois, (Galloway). | |

1691. **Uniola** latifolia, Michx.
Common in rich woods.
1692. **Dactylis** glomerata, L. Orchard Grass.
Common in cultivation and occasionally naturalized.
1693. **Poa** alsoedes, Gray. Meadow Grass.
Boone, (Galloway),
1694. annua, L, Low Spear Grass.
Common everywhere in cultivated ground.
1695. arachnifera, Torr. Texas Blue Grass.
Introduced from Texas and apparently becoming naturalized.
1696. brevifolia, Muhl.
Boone, (Galloway).
1697. compressa, L. Wire Grass.
Common.
1698. debilis, Torr.
Boone, (Galloway).
1699. flexuosa, Muhl. Common.
1700. nemoralis, L.
Boone, (Galloway).
1701. pratensis, L. Blue Grass.
Common everywhere.
1703. serotina, Ehrh. Fowl Meadow Grass.
Common.
1704. sylvestris, Gray.
Boone, (Galloway), Jackson, (Bush).
1705. *trivialis*, L. Rough Meadow Grass.
Jackson, (Bush), St. Louis, (Galloway).
1706. **Glyceria** arundinacea, Kunth. Reed Meadow Grass.
Boone, (Galloway).
1707. Canadensis, Trin.
Boone, (Galloway), Jackson, (Bush).
1708. fluitans, R. Br.
Jackson, (Bush).
1709. nervata, Trin.
Common.
1710. **Festuca** duriuscula, L. Fescue.
Boone, (Galloway), Jackson, (Bush).
1711. elatior, L. Meadow Fescue.
Boone, (Galloway).
1712. nutans, Willd.
Common.

1713. *ovina*, L. Sheep's Fescue.
Boone and St. Louis, (Galloway), Jackson, (Bush).
1714. *Shortii*, Kunth.
(Dr. Vasey in "Grasses of U. S.")
1715. *tenella*, Willd.
Boone, (Galloway), St. Francois, (Tracy).
1716. **Bromus** *ciliatus*, L. Common.
1717. var. *purgans*, Gray.
Jackson, (Bush).
1718. *Kalmii*, Gray. Wild Chess.
Boone, (Galloway).
1719. *racemosus*, L. Upright Chess.
Common.
1720. *secalinus*, L. Cheat or Chess.
Common everywhere.
1721. *sterilis*, L.
Boone, (Galloway).
1722. **Lolium** *perenne*, L. Rye-Grass.
Naturalized.
1723. var. *Italicum*, Vasey. Italian Rye-Grass.
Sparingly naturalized.
1724. **Agropyrum** *caninum*, R. & S.
Boone, (Galloway).
1725. *repens*, Beauv. Couch-Grass.
Found occasionally where it has been introduced.
1726. **Hordeum** *jubatum*, Huds. Squirrel-tail Grass.
Occasional Westward.
1727. *pulsillum*, Nutt.
Occasional about old gardens.
1728. **Elymus** *Canadensis*, L. Wild Rye.
Common.
1729. var. *glucifolius*, Gray.
Common along river banks.
1730. *Sitanion*, Schultz.
Jackson, (Bush).
1731. *striatus*. Small Wild Rye.
Common.
1732. var. *villosus*, Gray.
Jackson, (Bush), St. Francois, (Tracy).
1733. *Virginicus*, L. Wild Rye.
Common.

1734. **Asprella** hystrix, Willd. Hedge-hog Grass.
Common.
1735. **Arundinaria** tecta, Muhl. Cane.
Common in extreme Southeast.

EQUISETACEÆ.

Horsetail Family.

1736. **Equisetum** arvense, L. Horsetail.
Common.
1737. sylvaticum, L.
Greene, (Shepard).
1738. robustum, Braun,
Jackson, (Bush), St. Louis, (Letterman).
1739. var. affine, Engelm.
Jackson, (Bush).
1740. hyemale, L.
Common.

OPHIOGLOSSACEÆ.

1741. **Ophioglossum** vulgatum, L.
Iron, Jefferson & St. Louis, (Letterman), Jackson,
(Bush).
1742. **Botrychium** ternatum, Swz.
Vernon, (Broadhead).
1743. var. lunarioides, Milde.
Common.
1744. Virginianum, Swz.
Butler & St. Louis, (Letterman), Jackson, (Bush).
1745. matricariæfolium, Braun.
Iron, (Broadhead).

FILICES.

Fern Family.

1746. **Polypodium** incanum, Swz.
Mississippi, (Galloway), St. Louis, (Letterman).

1747. vulgare, L.
Boone, (Tracy), Mississippi, (Swallow), St. Louis, (Let-
terman).
1748. **Notholaëana** dealbata, Kunze.
Boone, (Tracy), Jackson, (Bush).
1749. **Adiantum** capillus-veneris, L.
Christian, Greene and Stone, (Shepard), Madison,
(Broadhead).
1750. pedatum, L.
Common.
1751. **Pteris** aquilina, L.
Common Southward.
1752. **Cheilanthes** lanuginosa, Nutt.
Common.
1753. tomentosa, Link.
Cole, (Wheeler's Report.).
1754. vestita, Swz.
Common Southward..
1755. **Pellea** atropurpurea, Link.
Common.
1756. gracilis, Hook.
Boone, (Galloway), Newton, (Broadhead).
1757. **Woodwardia** Virginica, Smith.
Common.
1758. **Asplenium** angustifolium, Michx.
Common.
1759. ebeneum, Ait.
Common.
1760. ebenoides, Scott.
Franklin, Iron, Jefferson and St. Louis, (Letterman)
1761. Filix foemina, Bernh.
Miller, (Winick), St. Louis, (Letterman).
1762. parvulum, M. & G.
Christian, (Shepard), Greene and Jackson, (Bush).
1763. pinna-tifidum, Nutt.
Greene, (Shepard).
1764. thelypteroides, Mich.
Common.
1765. trichomanes, L.
Miller, (Winick), St. Louis, (Letterman).
1766. • **Camptosorus** rhizophyllus, Link.
Common everywhere.

1767. **Phegopteris** hexagonoptera, Fee.
Common from Boone Eastward.
1768. **Aspidium** acrostichoides, Swz.
Common.
1769. **Lonchitis**, Swz.
Madison, (Broadhead), Miller, (Winick).
1770. **marginale**, Swz.
St. Louis, near Allenton, (Letterman).
1771. **spinulosum**, Swz.
Butler and St. Louis, (Letterman).
1772. **Thelypteris**, Swz.
Butler and St. Louis, (Letterman).
1773. **Cystopteris** bulbifera, Bernh.
Common.
1774. **fragilis**, Bernh.
Common.
1775. **Onoclea** sensibilis, L.
Jackson, (Bush), St. Louis, (Letterman), Scotland,
(Broadhead).
1776. **Woodsia** obtusa, Torr.
Jackson, (Bush), St. Louis, (Geyer).
1777. **Dicksonia** pilosiuscula, Willd.
Scotland, (Broadhead).
1778. **Osmunda** cinnamonea, L.
Franklin, (Letterman).
1779. **Claytoniana**, L.
Pike, (Pech).
1780. **regalis**, L.
Butler and St. Louis, (Letterman).

SALVINIACEÆ.

1781. **Azolla** Caroliniana, Willd.
Howell, (Swallow), Jackson, (Bush).

LYCOPODIACEÆ.

Club-Moss Family.

1782. **Lycopodium** dendroideum, Michx.
Madison, (Broadhead).

SELAGINELLACEÆ.

1783. **Selaginella** rupestris, Spring.
Adair, (Broadhead), Jefferson and St. Louis, (Letterman).

ISOETACEÆ.

1784. **Isætes** echinospora, Durien, var. Braunii, Engelm.
Jackson, (Bush).
1785. Engelmanni, Braun.
"Missouri," (Gray's Manual, 5th Ed.)



